

राजिस्ट्री नं. डी-२२२



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित

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नई दिल्ली, शनिवार, नवम्बर 2, 1974 (कातिक 11, 1896)

No. 44]

NEW DELHI, SATURDAY, NOVEMBER 2, 1974 (KARTIKA 11, 1896)

इस भाग में भिन्न पृष्ठ संख्या वी बाती है जिससे कि यह अलग संकलन के रूप में रखा या सके  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग—III—खण्ड 2

### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बंधित अधिसूचनाएँ और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

#### THE PATENT OFFICE

#### PATENTS & DESIGNS

Calcutta, the 2nd November, 1974

#### CORRIGENDA

(1)

In the Gazette of India, Part-III, Section 2, dated the 3rd August, 1974 on page 556 column 1, under the heading "Cessation of Patents".

Delete Nos. 105693 and 130677.

(2)

In the Gazette of India, Part-III Section 2 dated the 17th August, 1974 on page 556 column 1, under the heading "Cessation of Patents".

Delete No. 107863.

(3)

In the Gazette of India, Part-III, Section 2 dated the 14th September, 1974 on Page 611 column 2, under the heading "Cessation of Patents".

Delete No. 109685.

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE.

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

26th September, 1974

2150/Cal/74. COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Improvements in or relating to painting of rusted steel.

2151/Cal/74. Council of Scientific and Industrial Research. A process for preparation of N-Arylalkyl- $\alpha$ -substituted Phenoxy-Iso-Butyramides.

2152/Cal/74. Council of Scientific and Industrial Research. Synthesis of 8-AZA-9-OXO-15-Hydroxy-and 11, 15-Dihydroxyprostanolic Acids.

2153/Cal/74. G. D. Societa' per Azioni. Device for separating sheets from piles, particularly cardboard blanks or similar, to be fed individually to machines for packing cigarettes in packets of the hinge lid type.

2154/Cal/74. G. D. Societa' per Azioni. Device for unidirectionally positioning products, particularly oblong products such as chocolates and similar, being fed towards the machines on which they are wrapped.

2155/Cal/74. G. D. Societa' per Azioni. Improved wrapping machine for sweets and similar on which the individual products are wrapped in what is known as the soap or diamond style.

2156/Cal/74. G. D. Scoletta' per Azioni. High speed cigarette packing machine.

2157/Cal/74. G. D. Societa' per Azioni. Apparatus for directly supplying the hopper/s of one or more packing machines with cigarettes taken from a continuous flow existing from one or more cigarette producing machines.

2158/Cal/74. G. D. Societa' per Azioni. Device for producing on cigarette packing machines the understrip or shoulder piece incorporated internally in each packet of the hinge lid type.

2159/Cal/74. G. D. Societa' per Azioni. Device for transferring and shaping ready for use on cigarette packing machines the understrip or shoulder piece incorporated internally in each packet of the hinge lid type.

2160/Cal/74. Superior continental corporation. Telephone cable with improved cross-talk properties. [Divisional date February 1, 1972].

2161/Cal/74. Superior continental corporation. Telephone cable with improved cross-talk properties. [Divisional date February 1, 1972].

2162/Cal/74. D. H. Baldwin Company. Photovoltaic Cell.

2163/Cal/74. Metallgesellschaft Aktiengesellschaft. Process of direct reduction with reducing gases.

- 2164/Cal/74 Midwest Chrome Process Company New screw threaded fastening means and like products  
 2165/Cal/74 Midwest chrome process company. Novel screw threaded fastening means and like products.  
 2166/Cal/74 Zellweger Ltd Method of and apparatus for detecting faults in the operation of spinning units in open-end spinning machines  
 2167/Cal/74 The Metal Box Company Limited Creating lines of weakness in sheet material. (September 27, 1973)  
 2168/Cal/74 Monsanto Company Improved alkylation process

27th September 1974

- 2169/Cal/74 M C Jain Improvements in or relating to pressure release valves  
 2170/Cal/74 B N Srimani Jute fibre as a replacement of Glasswool in Microbial Air Filters  
 2171/Cal/74 ICI Australia Limited Compound (October 15, 1973)  
 2172/Cal/74 Ankefarm Sp A Process for the preparation of a 6-deoxvtetracyclines  
 2173/Cal/74 Ankefarm Sp A Process for the preparation of 6 demethyl-6 deoxy-6 methylene tetracyclines  
 2174/Cal/74 Ankefarm Sp A A water-soluble derivative of 6-deoxvtetracyclines and process for the preparation thereof  
 2175/Cal/74 Poclain An hydraulic mechanism  
 2176/Cal/74 Societe Nationale Des Petroles D'Aquitaine Device for producing mechanical waves  
 2177/Cal/74 James Michael Hazar Prosthetic denture and method  
 2178/Cal/74 Heinrich Koppers Gesellschaft Mit Beschränkter Haftung Process for the production of a methane-containing gas  
 2179/Cal/74 Foseco International Limited Fibre containing heat insulating compositions. (September 28, 1973)  
 2180/Cal/74 Lenefit Sp A e unno per La Ricerca Scientifica E La Produzione Chimica Farmaceutica Process for preparing rifamycin Sv intermediate compound [Divisional date May 20, 1968]

- 2181/Cal/74 Ravchem Corporation An electrical component having an insulation and insulated electrical wire [Divisional date February 16, 1972].

27th September 1974

- 2182/Cal/74 Ravchem Corporation A shaped structure comprising a polymer [Divisional date February 16, 1972]  
 2183/Cal/74 T Gunta Tree or pole climbing device  
 2184/Cal/74 Rati Ram Sharma Double head moving and stationary projector and geometric mean, scanners.

28th September 1974

- 2185/Cal/74 Acieries Reunies du Burbach-Eich-Dudelange S A Arbed Process for manufacturing steel.  
 2186/Cal/74 The Lucas Electrical Company Limited Starter motors (October 9, 1973).  
 2187/Cal/74 Acme Cleveland Corporation A foundry mixing machine  
 2188/Cal/74 Anglonor Societe Anonyme. Improvements in or relating to fire detectors  
 2189/Cal/74 Hyman Moses Lowenstein and Arthur Michael Lowenstein. Alumina production.

30th September 1974

- 2190/Cal/74 Westinghouse Brake and Signal Company Limited Rail vehicle bracking system October 13, 1973).  
 2191/Cal/74 Megapulse Incorporated Radio-frequency pulse generation system and method.  
 2192/Cal/74 Siemens Albin Aktiengesellschaft Improvements in or relating to doppler pulse radar systems (June 3, 1974).  
 2193/Cal/74 A Toshniwal and S Toshniwal (Minor) Controlling the temperature in Infrared Moisture balance  
 2194/Cal/74 RCA Corporation Digital synchronizing system  
 2195/Cal/74 Caterpillar Tractor Co Noise attenuating impact absorbing means for sprocket teeth and track.  
 2196/Cal/74 Home Pro Industries An improved yo-yo which can emit light  
 2197/Cal/74 Edward Koppelman Process and apparatus for seasoning wood
- 1st October 1974
- 2198/Cal/74 Midland Engineering Company Tyre tube and rim locking device of motor cars  
 2199/Cal/74 Poclain Pressurised fluid feed apparatus.  
 2200/Cal/74 The Lucas Electrical Company Limited Starter motors (October 5, 1973).  
 2201/Cal/74 The Lucas Electrical Company Limited Control arrangement for vehicle headlamps (October 11, 1973)
- 1st October 1974
- 2202/Cal/74 University of Salford Improvements in or relating to constructional elements of concrete  
 2203/Cal/74 Svenska Aktiebolaget Bromsregulator. A device for discontinuing and automatically restoring the operational function of a spring brake actuator  
 2204/Cal/74 Stephen D'cruz An ice cream freezer  
 2205/Cal/74 Veb chemieanlagenbau und omntagekombinat Leipzig Procedure for avoiding the accumulation of solid oligomer particles in the cooler during the cooling of snay glycol in the continuous production of polyethylene terephthalate (polyester)  
 2206/Cal/74 Indrajit Challa and Jadav Prasad Challa Memorial Trust Method of and apparatus for annealing, heat treating galvanising and pickling  
 2207/Cal/74 Indrajit Challa and Jadav Prasad Challa Memorial Trust Improvement in or relating to barbed wire making machine.  
 2208/Cal/74 Bituminous coal research Inc Combined shift and methanation reaction process for the gasification of carbonaceous materials  
 2209/Cal/74 Lenzi & Co di Enrico Snelder Process for reducing the amount of undesirable substances in vegetables for human use  
 2210/Cal/74 Shui Ling Lu Cassette for tape/film and driving means, thereof  
 2211/Cal/74 TBV Industrial products limited Improvements in and relating to yarn manufacture (October 12, 1973),
- APPLICATION FOR PATENTS FILED AT THE PATENTS OFFICE (MADRAS BRANCH)
- 28th August 1974
- 2140/Mas/74 K. Sukumarai Train approach electric warning indicators for unmanned railway level crossings using a storage battery as power source and track rail as signal conductors.

2nd September 1974

141/Mas/74 K. Seshadri. Wear or accuracy detector for machine-tools

3rd September 1974

142/Mas/74 M. M. Islam. Detergent economiser.

4th September 1974

143/Mas/74 T. Meier. A new technique for construction of hollow or light floor/roof slabs by a combination of precast units made of cement mortar of cement concrete with INSITU R.C.C. RIBS.

10th September 1974

144/Mas/74 Dr. C. I. Joshua, Dr. K. Sivarajan and P. G. Nan. Synthesis and manufacture of mixed  $\alpha$ -acyl O-, O-, O- Diakyl phosphoro diimic anhydride. (A potent insecticide and an antifungal agent).

145/Mas/74 M. Agarwal. An plast. This is device to manufacture plastic sheets for packing purposes.

13th September 1974

146/Mas/74 G. Venkatakrishna Bhat Marakkini. A safety lock which prevents slipping of the gear in the motor vehicles

147/Mas/74 G. Venkatakrishna Bhat Marakkini. The new theory which can be used in any engine to minimise the consumption of the fuel mixture.

24th September 1974

148/Cal/74 Manchem Subhas Chandiabose (electrical system designs) of the Compton engineering company (M) Limited. Automatic star delta starters with two contractor.

## ALTERATION OF DATE

127917 The claim to convention date 15th August 1969 has been abandoned and the application dated as of 6th August 1970, the date of filing in India.

102734 The claim to convention date 17th December 1964 has been abandoned and the application dated as of 29th November 1965, the date of filing in India.

136261 1189 Cal/73 Ante-dated to 14th June 1965.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankai Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specification; as shown in the following list

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 32F<sub>1b</sub> 82539

## METHOD FOR THE PRODUCTION OF NOVEL PYRROLIDINE COMPOUNDS

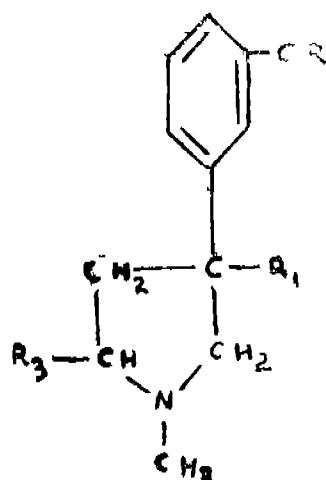
PARKE, DAVIS &amp; COMPANY, OF JOSEPH CAMPAU AVENUE AT THE RIVER, DETROIT, MICHIGAN, UNITED STATES OF AMERICA.

Application No 82539 filed May 31, 1962.

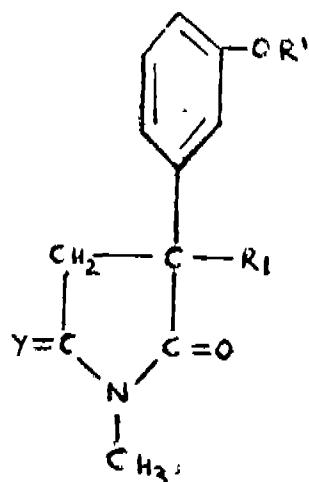
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent office, Calcutta.

4 Claims

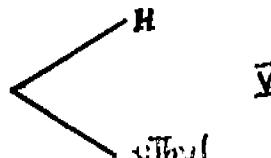
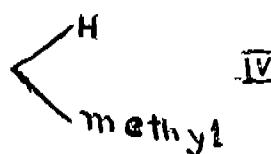
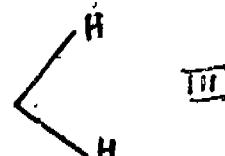
Process for the production of novel pyrrolidine compounds of the formula,



and acid-addition salts thereof characterized in that the ketonic groups in a ketonic compound of formula,



are reduced with a complex metal hydride and, if desired, the pyrrolidine compound converted to an acid addition salt by reaction with an acid; where R is hydrogen or lower alkyl, R<sub>1</sub> is an alkyl radical containing from 2 to 4 carbon atoms inclusive, R<sub>2</sub> is hydrogen or an alkyl radical containing 1 or 2 carbon atoms, R'<sub>1</sub> is hydrogen, lower alkyl or acyl, and Y is =O, a group of formulae,



CLASS 32F<sub>1</sub>+F<sub>2</sub>

84260

## PROCESS FOR THE MANUFACTURE OF TETRAHYDROISOQUINOLINE DERIVATIVES.

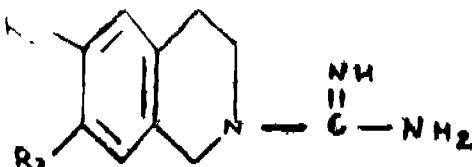
F. HOI-PAMNN-LA ROCHE & CO. AKTIENGESELLSCHAFT, OF 124-184 GRENZACHERSTRASSE, BASLE, SWITZERLAND

Application No. 84260 filed September 22, 1962.

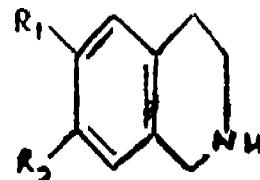
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

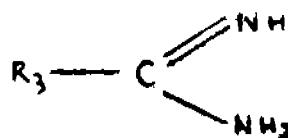
A process for the manufacture of heterocyclic compounds of the general formula shown in Fig. 1.



which comprises reacting a 1, 2, 3, 4-tetrahydroisoquinoline of the formula shown in Fig. 2.



wherein R<sub>1</sub> and R<sub>2</sub> are individually selected from the group consisting of hydrogen, lower alkoxy and, taken together, lower alkylene-dioxy, or an acid addition salt thereof with cyanamide or an acid addition salt of a compound having the formula shown in Fig. 3.



wherein R<sub>3</sub> is selected from the group consisting of alkyl, mercapto, alkoxy, 1-pyrazolyl and alkyl substituted 1-pyrazolyl, and if desired, converting the resulting acid addition salt into the base or into another acid addition salt by conventional method such as herein described.

CLASS 32F<sub>1</sub>

87276

## IMPROVEMENTS IN OR RELATING TO NEW PYRIDINE DERIVATIVES AND PROCESS FOR THEIR PREPARATION.

DEUTSCHE GOLD-UND SILBER-SCHEIDENSTALT VORMALS ROESSLER, OF 9, WEISSFRAUENSTRASSE, FRANKFURT, MAIN 1, FEDERAL REPUBLIC OF GERMANY.

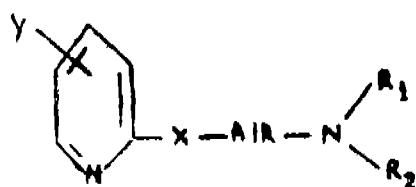
Application No. 87176 filed April 3, 1963.

Convention date March 11, 1963 (9582/62) U.K.

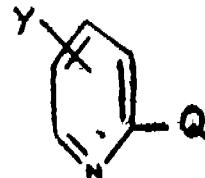
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 19 Claims

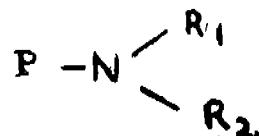
Process for the preparation of compounds of the general formula shown in Figure.



in which R<sub>1</sub> and R<sub>2</sub> are alkyl radicals and may, together with the nitrogen atom, be linked to form a ring which may also contain a further heteroatom, preferably oxygen, alk is a straight or branched alkylene chain containing from 1 to 4 carbon atoms, X is sulphur, oxygen or the NH-group and Y is halogen, trihalomethyl, alkyl, alkoxy, -CN, -COOR or CONR<sub>2</sub> R<sub>2</sub> in which R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub>, which may be the same or different are hydrogen or alkyl groups, their salts and quaternary ammonium compounds which comprises reacting a compound of general formula



with a compound of general formula



wherein Y, and R<sub>1</sub> have meanings as given above and wherein Q is selected from Hal, XH or X-alk Hal<sup>1/2</sup> and P is selected from HX-Alk, Hal-Alk or 'H with the proviso that when Q is Hal, P is HX-alk; when Q is XH, P is Hal-Alk; and when Q is X-alk-Hal, P is H in which Hal, X and alk have meanings given above, and thereafter, if desired converting into their salts or quarternary ammonium compounds by convention methods.

CLASS 32F<sub>1</sub>+F<sub>2</sub>

93201

## PROCESS FOR THE MANUFACTURE OF NOVEL BIS(HYDROXYMETHYL) PYRIDINE DICARBAMATE DERIVATIVES.

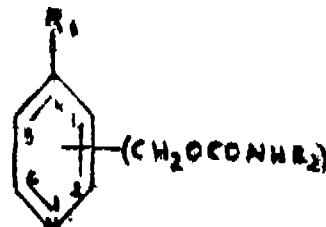
MICHIRO INOUE, OF 12 TADA-MACHI, NAKANO-KU, TOKYO, JAPAN.

Application No. 93201 filed April 8, 1964.

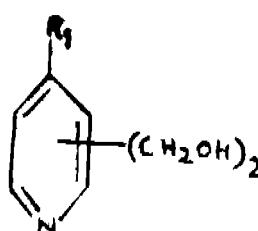
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

A process for the manufacture of a bis(hydroxymethyl) pyridine dicarbamate derivative of the general formula shown in Fig.



wherein R<sub>1</sub> stands for hydrogen or halogen atom, alkyl, hydroxyl, alkoxy, thioacyano, amino, acylamino, alkylamino, arylamino, alkylthio, arylthio, alkylsulfonyl, or arylsulfonyl group; R<sub>2</sub> stands for hydrogen atom or alkyl, fluoroalkyl, alkenyl, aryl, aralkyl, furfuryl, pyridyl, or picolyl group; one of the two CH<sub>2</sub>OCONHR<sub>2</sub> groups is present in the 2-position and the other in the 5- or 6-position, characterized in that a bis(hydroxymethyl) pyridine represented by the general formula (I) shown in Fig.



wherein R<sub>1</sub> has the meanings as described hereinbefore, one of the two C<sub>2</sub>H<sub>5</sub>OH groups is present in the 2-position and the other in the 5- or 6-position or their derivatives in which the substituent is present in the 4-position is reacted with an isocyanate represented by the formula shown in Fig.



wherein R<sub>2</sub> has the meanings as described hereinbefore.

CLASS 32F,+F<sub>m</sub> 93451

A METHOD FOR THE PREPARATION OF 1-SUBSTITUTED 3-DIALKYLAMINOALKOXY-INDAZOLES.

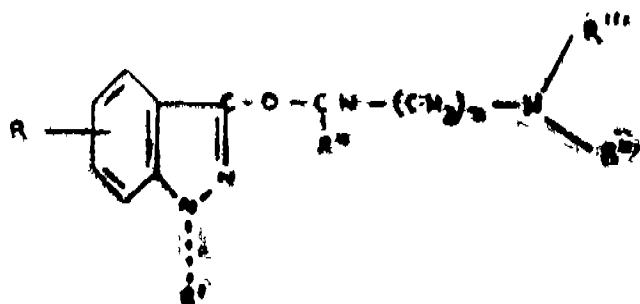
AZIENDE CHIMICHE RIUNITE ANGELINI FRANCES-CO, OF VIA AMELIA 70, ROME, ITALY.

Application No. 93451 filed April 24, 1964.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Claim 1

A method of preparing 1-substituted 3-dialkylamino-alkoxy-indazoles of the general Formula I.



wherein :

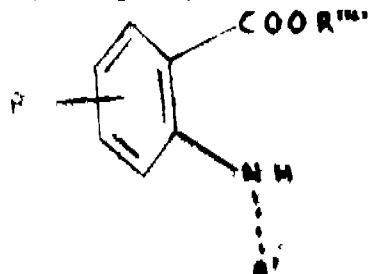
R is a member selected from the class consisting of hydrogen or chlorine;

R' is a member selected from the class consisting of a lower alkyl residues and aryl or aralkyl residues which may be substituted or not in their aryl nuclei by halogen atoms or lower alkyl or alkoxy residues;

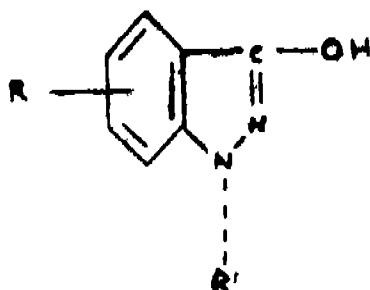
R'' is a member selected from the class consisting of hydrogen and lower alkyl residues;

R''', which may be like or unlike, are lower alkyl residues;

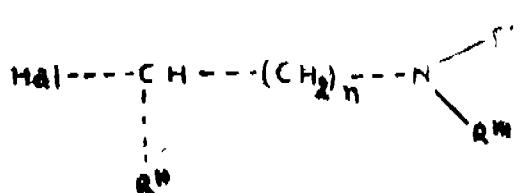
n is 1 or 2, characterized in that anthranilic acids or esters having the general formula IV



wherein R and R' have the above-defined meanings, and R''' is a member selected from the class consisting of hydrogens and lower alkyl groups, preferably methyl groups, are nitrated by treatment with an alkali metal nitrite or with an alkyl nitrate in acidic medium by mineral acid; the obtained N-nitroso derivatives are reduced with hydrosulfite, and the 3-hydroxy-indazoles which are prepared in this way, having the general formula II



wherein R and R' have the above-defined meanings, are reacted with halogenoalkyl-dialkylamines having the general formula III



wherein R'', R''' and n have the above-defined meanings, and Hal is a halogen atom, preferably a chlorine atom.

CLASS 32F,+F<sub>m</sub> 97317

METHOD OF PRODUCING A 2, 4-DIAMINOPYRIDO [2, 3-D] PYRIMIDINE.

THE WELLCOME FOUNDATION LIMITED, OF 183-193 EUSTON ROAD, LONDON, N. W. 1, ENGLAND.

Application No. 97317 filed January 5, 1965.

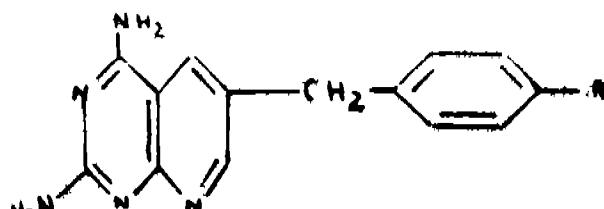
Convention date January 8, 1964 (808/64) U.K.

Addition to No. 83066.

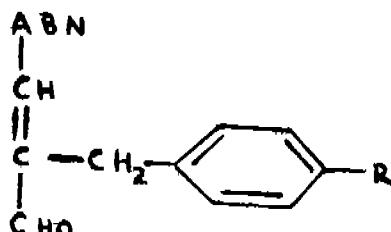
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A method of producing a 2, 4-diaminopyridine (2, 3-dl pyrimidine of the formula



in which a 3-(tertiary amino) acrolein of the formula



is treated with a halogenating agent, the halogenated derivative is heated with 2, 4, 6-triaminopyrimidine, and the desired 2, 4-diaminopyrido [2, 3-d] pyrimidine is isolated from the reaction mixture; in the formulae R is an alkyl or alkoxy group having from one to four carbon atoms and ABN is a tertiary amino group.

CLASS 32F,+F<sub>m</sub>+F<sub>s</sub>, & 55E,+E. 100051

PROCESS FOR THE MANUFACTURE OF BENZODIAZEPINE DERIVATIVES.

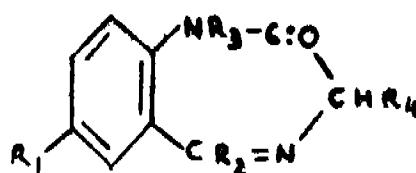
CLIN MIDY, FORMERLY KNOWN AS ESTABLISSEMENTS SLIN-BYLA, OF 20 RUE DES FOSSES SAINT-JACQUES, PARIS, FRANCE.

Application No. 100051 filed June 14, 1965.

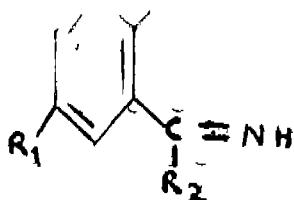
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

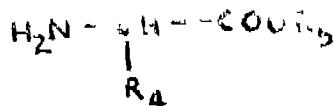
A process for the manufacture of benzodiazepine derivatives of the general formula



wherein R<sub>1</sub> represents a hydrogen or halogen atom or a trifluoromethyl, lower alkyl, lower alkoxy, nitro or amino group, R<sub>2</sub> represents a phenyl group a phenyl group mono substituted with a halogen atom or a trifluoromethyl, nitro, lower alkoxy or lower alkyl group, a furyl, a thiienyl, a lower cycloalkyl or a lower alkyl group R<sub>3</sub> represents a hydrogen atom or a lower alkyl group and R<sub>4</sub> represents a hydrogen atom or a lower alkyl group or a carbalkoxy group which process comprises treating an imine of the general formula



wherein R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> have the meaning indicated above with an aliphatic α aminocarboxylic acid ester of the general formula



wherein R<sub>4</sub> represents a hydrogen atom or a lower alkyl or carbalkoxy group and R<sub>5</sub> represents a lower alkyl group cyclizing the compound thus obtained by means of an anhydrous lower aliphatic or mineral acid and, it in the starting material of formula VIII R<sub>1</sub> represents lower carbalkoxy and if the preparation of a compound of formula II wherein R<sub>4</sub> represents hydrogen is desired saponifying said carbalkoxy group under alkaline conditions and decarboxylating the carboxy function thus formed by means of an acid said saponification and decarboxylation being effected either before or after said cyclization

CLASS 32F<sub>1</sub>+F<sub>21</sub>

102142

## PROCESS FOR THE MANUFACTURE OF PYRIMIDINE DERIVATIVES

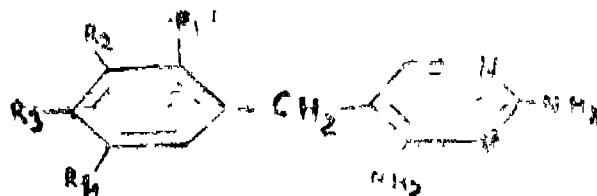
F HOFFMANN-LA ROCHE & CO AKTIENGESELLSCHAFT, OF 124-184 GRENZACHFRSTRASSE, BASLE SWITZERLAND

Application No 102142 filed October 19, 1965

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

## 5 Claims

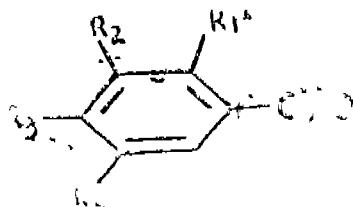
A process for the manufacture of a compound of the general formula I



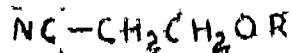
wherein R<sub>1</sub> is hydrogen, methyl, chlorine, or methoxy, R<sub>2</sub> is hydrogen, chlorine, or methoxy, and R<sub>3</sub> and R<sub>4</sub> are each either halogen, methyl, or lower alkoxy,

which process comprises

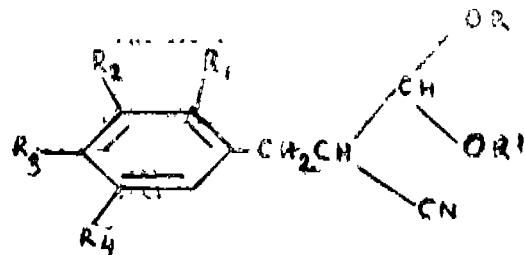
(a), reacting an aldehyde of the general formula II



with a compound of the general formula III



in the presence of an alkali metal lower alkoxide and a lower alkanol of the formula R'OH to form a compound of the formula IV



and

(b), reacting said compound of formula IV with guanidine to give a compound of formula I, wherein in the above formula R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> have the same meaning as given above for the compound of formula I, and R and K are lower alkyl

CLASS 32F<sub>1</sub> + F<sub>21</sub> + F<sub>22</sub>

102724

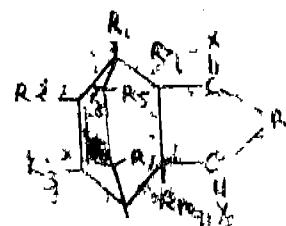
PROCESS FOR THE PREPARATION OF BICYCLO (2.2.2) OCTA-2,3-DICARBOXYLIC ANHYDRIDES  
ICI AUSTRALIA LIMITED FORMERLY KNOWN AS IMPERIAL CHEMICAL INDUSTRIES OF AUSTRALIA AND NEW ZEALAND LIMITED OF 1 NICHOLSON STREET, MELBOURNE VICTORIA AUSTRALIA

Application No 102724 filed November 29, 1965

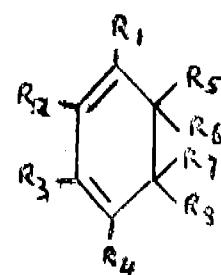
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

## 7 Claims

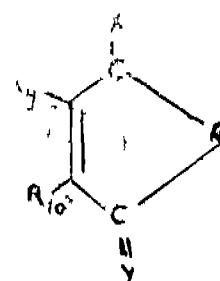
A process of manufacturing compounds of formula



comprising reacting 1,3-cyclo-hexadienes of formula

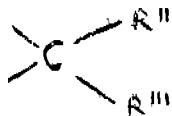


with a compound of formula

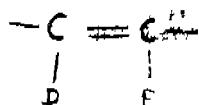


in a Diels-Alder condensation in the presence or absence of a solvent at temperatures from 10 to 200°C, wherein X and Y

which may be the same or different are oxygen or sulphur, R is selected from the group consisting of oxygen or NR<sup>1</sup>, Formula



and Formula



R is selected from the group consisting a hydrogen, alkyl, alkenyl, aryl, alkylamino, arylamino, dialkylamino, amino, thiazoyl, SCZ, wherein Z is Cl, Br or R, and -SCQCI CQ CI wherein Q and Q' which may be the same or different H or F, Cl, R'', D, E and R<sub>1</sub> to R<sub>5</sub> inclusive, which may all be the same or different are hydrogen, halogen or alkyl and D and E may be linked to form a 5-membered ring which they stand for alkyl provided, however, for hydrogen whenever R is formula IX

CLASS 32F<sub>1</sub>+F<sub>2</sub> 103583

#### PROCESS FOR THE PRODUCTION OF NEW BASIC DERIVATIVES OF BENZOAZINE

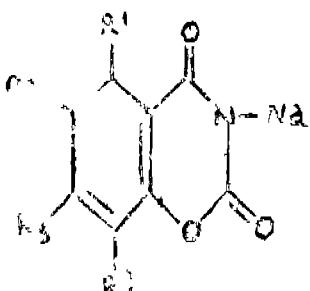
ROBAPHARM AG OF SI ALBANRHEINWEG 174, BASEL, SWITZERLAND

Application No 103583 filed January 25, 1966

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office, Calcutta.

##### 2 Claims

A process for the production of derivatives of dihydro-1,3-benzoxazine-2,4-dione which comprises reacting a sodium salt of a dihydro-1,3-benzoxazine-2,4-dione having the formula XLVI



in which R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are selected from the group consisting of hydrogen atoms, halogen atoms, carbalkoxyamino radicals, carbalkenoxymino radicals and alkyl radicals with an amino selected from haloalkyl-dialkyl amines and heterocyclic haloalkylamines, having the formula Hal-A-R<sup>5</sup> in which Hal denotes a halogen atom and R<sup>5</sup> is selected from a dialkylamino radical and the radical of a heterocyclic amine and A is selected from linear and branched alkenyl radicals and in which X is not an ethylene radical when R<sup>5</sup> is a pyridine radical or a salt of the said derivative in a solvent or diluent

CLASS 32F<sub>1</sub> & 55E<sub>1</sub>+E<sub>2</sub> 109953

#### PURIFICATION OF SYNTHETIC PENICILLINS

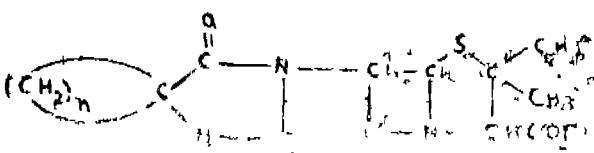
MERCK AND CO. LTD. PRODUCTS CORPORATION, OF 685 THIRD AVENUE NEW YORK 17, UNITED STATES OF AMERICA

Application No 109953 filed March 28, 1967

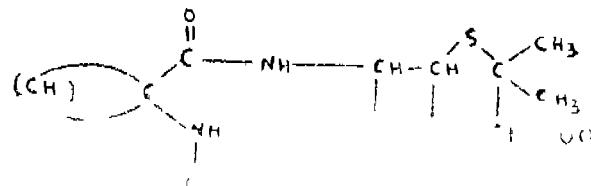
Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office, Calcutta

##### 7 Claims

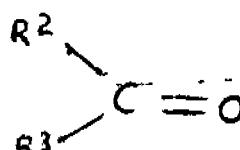
A process for the preparation of a compound of the general formula given in Fig. I



of the accompanying drawings and salts thereof, (in which R<sup>1</sup> is hydrogen lower alkyl or aryl, R<sup>2</sup> and R<sup>3</sup> each represent a hydrogen atom, a lower alkyl radical or an aryl radical, or R<sup>2</sup> and R<sup>3</sup> together complete a cycloalkyl ring, n is an integer from 2 to 9 and the term "lower" means the radicals contain up to 6 carbon atoms) which comprises reacting a penicillanic acid of the general formula given in Fig. 2



(in which R<sup>1</sup> and n have the meanings defined above) or a salt thereof with a carbonyl compound of the general formula given in Fig. 3



such as herein define (in which R<sup>2</sup> and R<sup>3</sup> have the meanings defined above) and if desired converting the product obtained into salt form by conventional methods

CLASS 32F<sub>1</sub>+F<sub>2</sub> 111067

#### PROCESS FOR PRODUCING ANTISEPTIC AND ANTI-PRURITIC LOTION

HARLEY STREET NOMINEES LIMITED, OF 25 HARLEY STREET, LONDON, W 1, ENGLAND

Application No 111067 filed June 13, 1967

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office, Calcutta

##### 4 Claims—No drawings

Process for preparing a stable non toxic lotion having therapeutic and prophylactic action on the skin and mucous membrane which process comprises adding an excess of pharmaceutically pure pulverized camphor to purified water, heating whilst agitating the resulting mixture of pulverized camphor and purified water to assist the solution of the camphor in the water allowing the agitated mixture to stand, thereafter adding to the camphor water mixture pharmaceutically pure sodium chloride, magnesium chloride and calcium chloride, heating the resulting mixture with agitation to assist in the solution of the sodium, magnesium and calcium chlorides, allowing the resulting mixture to stand and thereafter removing undissolved camphor from the mixture to provide the stable nontoxic lotion

CLASS 32F<sub>1</sub>+F<sub>2</sub> 111954

#### PROCESS FOR THE PREPARATION OF MORPHANTHRIDIN DERIVATIVES

C. I. BOEHRINGER & SOLHNE GMBH, OF MANNEIM WELDING, FEDERAL REPUBLIC OF GERMANY

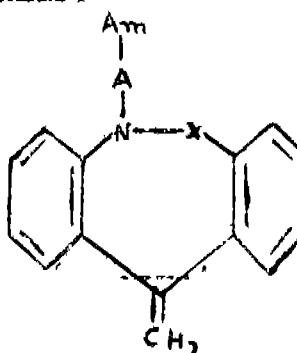
Application No 111954 filed August 14, 1967.

Convention date February 16, 1967 (7403/67) U.K.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office, Calcutta

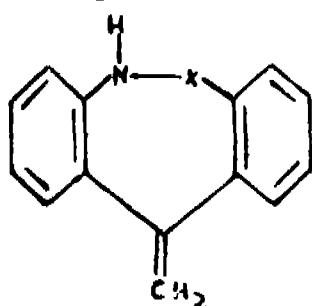
##### 2 Claims

Process for the preparation of morphanthridin derivatives of the general formula I



in which Am is a secondary amino group, A is a straight or branched chain alkylene radical and X is a methylene or carbonyl group; and the salts thereof, wherein :

a compound of the general formula II



in which X has the same meaning as above; is reacted with a compound of the general formula III



In which A and Am have the same meanings as above and Y is a reactive ester group;

whereafter, when X in the product obtained is a carbonyl group, the product is, if desired, subsequently reduced by a method known per se and, if desired, the product converted into a salt by reaction with an inorganic or organic acid.

CLASS 32F<sub>1</sub>, + F<sub>11</sub> & 55E. 114864

PROCESS FOR THE PREPARATION OF BASICALLY SUBSTITUTED CYCLOPENTYL PHENOL ETHERS.

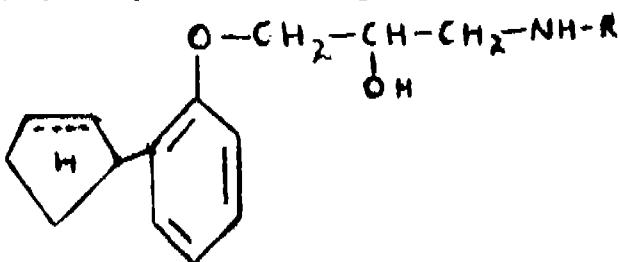
FARBWERKE HOECHST AKTIENGESELLSCHAFT VORMALS MEISTER LUCIUS & BRUNING, OF 43, BRUNINGSTRASSE, FRANKFURT/MAIN, FEDERAL REPUBLIC OF GERMANY.

Application No. 114864 filed March 6, 1968.

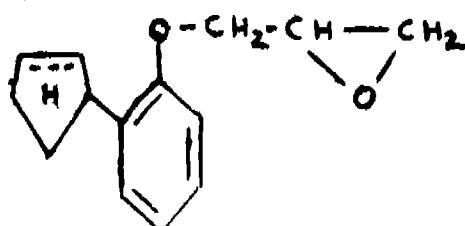
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

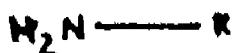
A process for preparing basically substituted cyclopentyl- or cyclopentenyl-phenol ethers of the general formula:



in which the cyclopentyl ring may contain a double linkage in 2,3-position and R represents a branched aliphatic or a cycloaliphatic hydrocarbon radical containing 3 to 6 carbon atoms, which comprises reacting the epoxide of the formula:



with an amine of the general formula:



in which R has the meaning given above and, if desired, reacting the basic compounds obtained with optically active

acids, setting free therefrom the optically active bases and converting in known manner in the racemic or optically active bases into salts of physiologically tolerated acids.

CLASS 32F<sub>1</sub>

116200

PROCESS FOR THE PREPARATION OF 16  $\alpha$ -HYDROXY-STEROIDS.

DEUTSCHE AKADEMIE DER WISSENSCHAFTEN ZU BERLIN, OF 3, RUDOWER CHAUSSEE, BERLIN-ADLERSHOF, GERMANY.

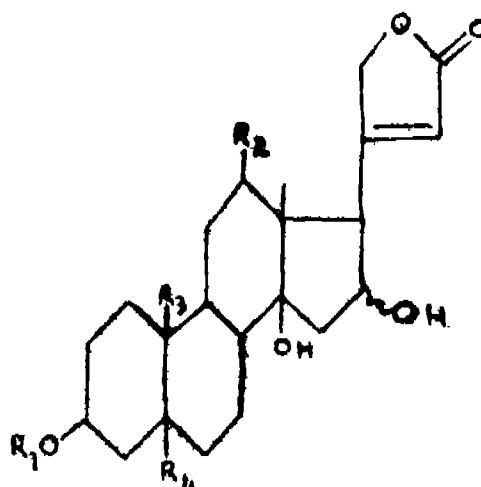
Application No. 116200 filed June 3, 1968.

Convention date February 26, 1968 (9166/68) U.K.

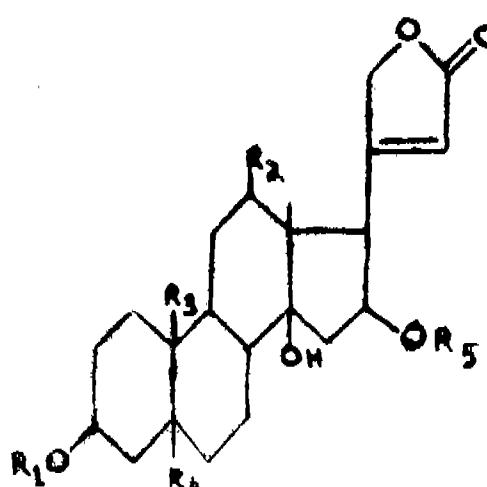
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

Process for the preparation of 16  $\alpha$ -hydroxy-steroids of the cardenolide series of the general formula



in which R<sub>1</sub> is a hydrogen atom or a mono- or oligosaccharide residue, R<sub>2</sub> is a hydrogen atom or a hydroxyl group, R<sub>3</sub> is a methyl, carbonyl or hydroxymethyl radical and R<sub>4</sub> is a hydrogen atom or a hydroxyl group, wherein an optionally acylated 16  $\beta$ -hydroxy-steroid of the cardenolide series of the general formula



in which R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> have the same meanings as above and R<sub>5</sub> is a hydrogen atom or an acyl radical, is subjected to the action of an elevated temperature below 100°C in the presence of a base in an aqueous organic solvent mixture, the 16  $\alpha$ -hydroxy-steroid formed extracted with an appropriate solvent mixture and the end product isolated by column chromatography with the use of organic eluents, and/or by crystallisation.

CLASS 32F<sub>1</sub>+F<sub>2</sub>

121570

31 Claims

PROCESS FOR THE PRODUCTION OF NEW PHENYL-PYRAZOLODIAZEPINONE COMPOUNDS.

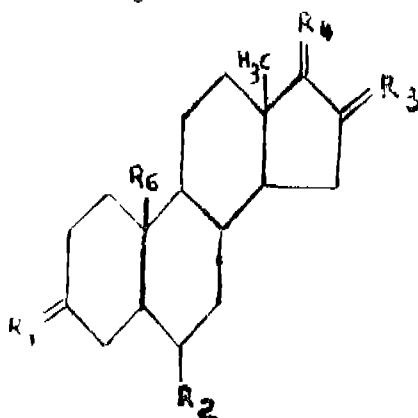
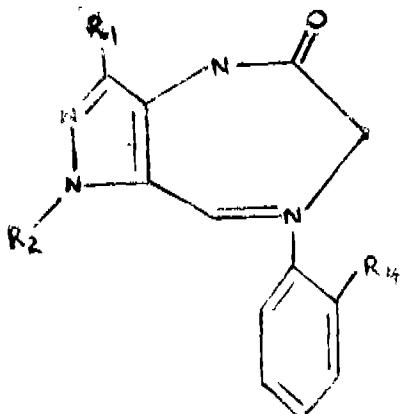
PARKE, DAVIS & COMPANY, AT THE CITY OF DETROIT, STATE OF MICHIGAN, U.S.A.

Application No. 121570 filed May 29, 1969.

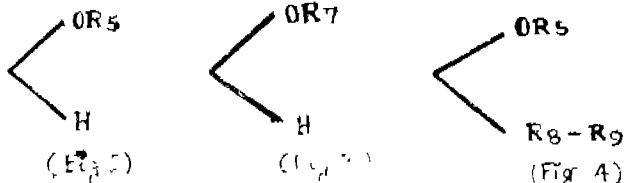
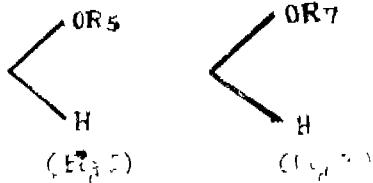
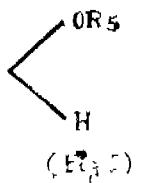
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

Process for the production of pyrazolodiazepinone compounds having the formula I



wherein R<sub>1</sub> is an oxygen atom or one of the following groups having the formula as shown in Figs. 2, 3, 4



-OR<sub>5</sub> or OR<sub>7</sub>; R<sub>6</sub> is a hydrogen or halogen atom or an -OR<sub>6</sub> radical; R<sub>7</sub> signifies two hydrogen atoms or an oxygen atom or one of the following groups having the formula as shown in Figs. 2, 3, 4; R<sub>8</sub> represents an oxygen atom or one of the groups having the formula as shown in Figs. 8, 3, 4, 5 or 6

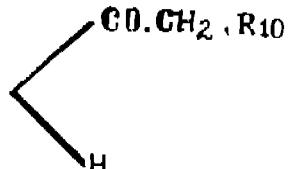


Fig. 5.

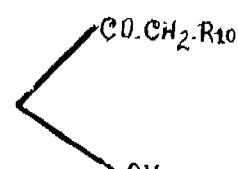


Fig. 6.

at least one R<sub>5</sub> is a trialkylsilyl radical and further R<sub>6</sub> is, if present are either hydrogen atoms or trialkylsilyl radicals; R<sub>7</sub> is a hydrogen atom or a lower alkyl radical (or R<sub>7</sub> is absent in the case of corresponding unsaturated bonds in the steroid skeleton); R<sub>8</sub> is an acyl radical containing up to 5 carbon atoms or a benzoyl radical or an alkyl radical containing up to 5 carbon atoms or a cyclopentyl radical; R<sub>9</sub> is an alkenylene or alkynylene radical; R<sub>10</sub> is a hydrogen or halogen atom; and R<sub>11</sub> is a hydrogen atom or an -OR<sub>12</sub> radical; and wherein the rings, A, B, C and D can also be variously joined together and can be present as the homo-, nor- or seco-compounds and wherein the carbon-carbon bonds can be saturated or unsaturated; but with the exclusion of compounds which contain in oxygen atom or two hydrogen atoms in the 3-position and, simultaneously, in the 4- and/or in the 1- and 4-position contain a double bond, as well as a hydrogen atom or a lower alkyl radical in the 17-position,

wherein a compound of the general formula of Figure I given above but in which R<sub>6</sub> Figure 2 or 4 or in -OR<sub>6</sub> is a hydrogen atom is reacted with a trialkyl-chlorosilane and/or with a hexaalkyl-disiloxane.

CLASS 32F<sub>1</sub>

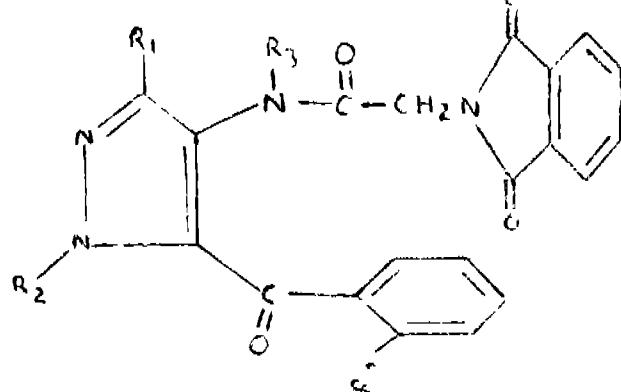
123540

A PROCESS FOR PREPARING 1-(3-CYANO-3, 3-DIPHENYLPROPYL)-4-PHENYLISONPECOTIC ACID AND THE THERAPEUTICALLY ACTIVE ACID ADDITION SALTS THEREOF.

JANSSEN PHARMACEUTICA N. V., OF TURNHOUT-SEBAAN 30 BEERSE, BELGIUM.

Application No. 123540 filed October 13, 1969.

and salts thereof characterized in that a 5-aryl-4-(2-phthalimidooacetamido) pyrazole compound having the formula II



is reacted with anhydrous hydrazine, and the reaction product is isolated either in the free form or in salt form; where in the formulae R<sub>1</sub> is methyl or ethyl, R<sub>2</sub> is an alkyl group having fewer than 4 carbon atoms, R<sub>3</sub> is hydrogen or methyl, and R<sub>4</sub> is hydrogen or trifluoromethyl.

CLASS 32F<sub>1</sub>+F<sub>2</sub>

122489

PROCESS FOR PREPARING TRIALKYL SILYLOXY STEROID DERIVATIVES.

VEB JFNA PHARM, OF 13, OTTO-SCHOTT-STRASSE, JENA, GERMANY.

Application No. 122489 filed July 28, 1969.

Convention date September 13, 1968 (43669/68) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims—No drawings

A process for preparing 1-(3-Cyano-3, 3-diphenylpropyl)-4-phenyl-isonipeptic acid and the therapeutically active acid addition salts thereof, characterized by hydrolyzing the corresponding lower alkyl ester of said acid by reacting with a strong base, and, if desired, preparing a therapeutically active acid addition salt of the product thereof by conventional method.

CLASS 32F,+F<sub>30</sub> & 55E.

126405

PROCESS FOR PREPARING BASIC  $\beta$ -THIENYL DERIVATIVES.

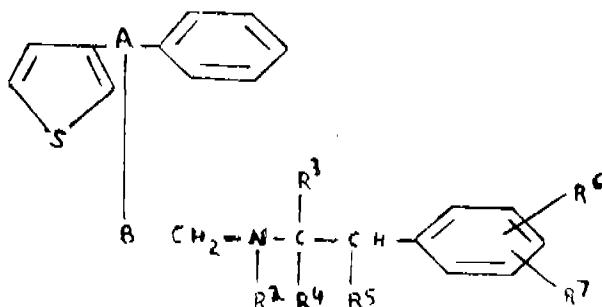
DEUTSCHE GOLD-UND SILBER-SCHEIDEANSTALT VORMALS ROESSLER, OF 9 WEISSENFRAUENSTRASSE, FRANKFURT (MAIN), FEDERAL REPUBLIC OF GERMANY.

Application No. 126405 filed April 28, 1970.

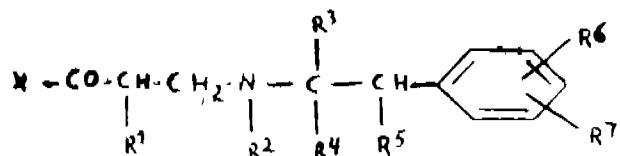
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

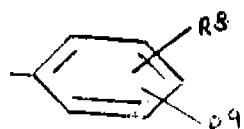
Process for the manufacture of compounds of formula I



in which the thiophenyl radical may be substituted once or several times by low molecular alkyl radicals, the bridge  $\backslash$ A-B- possesses either the structure  $>\text{C}(\text{OH})\text{-C}(\text{R}^1)\text{H}$  which is convertible into structure  $>\text{C}=\text{C}(\text{R}^1)$  or the structure  $>\text{C}=(\text{R}^1)$  and R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> stand for hydrogen or low molecular alkyl groups, R<sup>5</sup> stands for hydrogen or a hydroxy group, the radicals R<sup>6</sup> and R<sup>7</sup>, which are same or different, represent hydrogen, halogen, hydroxy groups, low molecular alkyl groups having up to 5 carbon atoms, low molecular halogen alkyl groups having up to 5 carbon atoms or low molecular alkoxy groups, and the radicals R<sup>8</sup> and R<sup>9</sup>, which are same or different, represent hydrogen, hydroxy groups, low molecular alkyl groups having up to 5 carbon atoms or low molecular alkoxy groups having up to 5 carbon atoms, the low molecular alkyl alkoxy having 1 to 6 carbon atoms, their optically active or diastereoisomeric forms and their salts which comprises reacting a compound of general formula II



wherein X is thiophenyl radical or the group of formula III



and R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup>, R<sup>6</sup> and R<sup>7</sup> have above given meanings with compound

Z-metal

wherein Z is either a phenyl residue which is substituted by residue R<sup>8</sup> and R<sup>9</sup> which have above given meanings or a thiophenyl residue substituted by alkyl group and "metal" is an alkali metal atom or MgHal (Hal=Cl, Br or I); and/or a compound of formula I in which the bridge  $\backslash$ A-B possesses the structure  $>\text{C}(\text{OH})\text{-C}(\text{R}^1)\text{H}$  is reacted with dehydrating agents such as herein defined to obtain compound of formula I wherein bridge  $\backslash$ A-B is  $>\text{C}=\text{C}(\text{R}^1)$  and if desired converting the basic compounds obtained into their salts by conventional methods.

CLASS 32F,+F<sub>30</sub>

127917

METHOD OF PREPARING 1-PHOENOXY-3-PIPERAZINYL-2-PROPANOL COMPOUNDS.

PFIZER CORPORATION, OF CALLE 154, AVENIDA SANTA ISABEL, COLON, REPUBLIC OF PANAMA, AND HAVING A COMMERCIAL ESTABLISHMENT AT 102 RUE LEON THEODOR, JETTE, BRUSSELS 9, BELGIUM.

Application No. 127917 filed August 6, 1970.

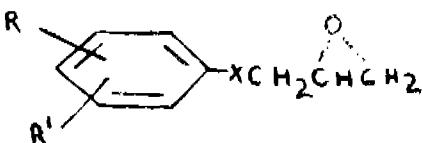
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

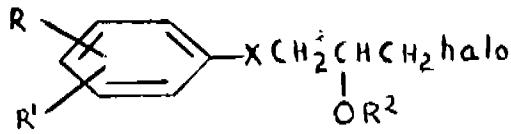
A method of preparing novel 1-(2-hydroxy-3-phenoxy- or phenylthio-propyl)-4-phenyl piperazines of the formula I



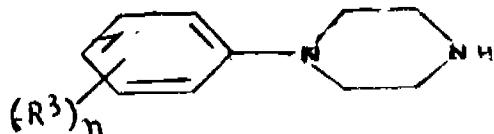
wherein R is an amido, amoyl, lower alkoxy carbonyl or nitro substituent group; R<sup>1</sup> is an optional halogen or lower alkyl substituent group; R<sup>2</sup> is hydrogen or a lower alkyl group; R<sup>3</sup> is an optional halogen, lower alkyl or lower alkoxy substituent group; n is 0, 1 or 2 and X is oxygen or sulphur and the N-oxides and pharmaceutically-acceptable acid addition salts thereof, which comprise reacting an epoxide of the formula III



or the corresponding halohydrin or ether thereof the formula V



with an N-phenyl piperazine of the formula IV



and, when required converting the compound thus obtained to a pharmaceutically-acceptable acid addition salt by treating with a suitable acid, or to an N-oxide by treating with a suitable oxidizing agent.

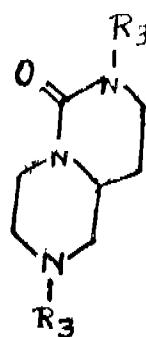
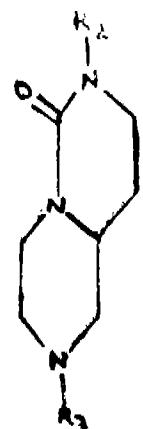
CLASS 32F<sub>2b</sub>

129251

A PROCESS FOR THE SYNTHESIS OF 3, 8-DISUBSTITUTED-4-OXO-PERHYDRO (1, 2-C) PIPERAZINOPYRIDINES.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Application No. 129251 filed November 17, 1970.



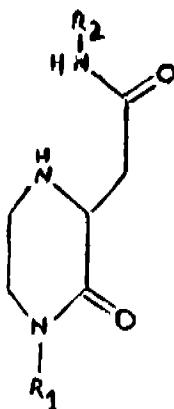
wherein R<sub>1</sub> and R<sub>2</sub> are alkyl, aryl or aralkyl groups like methyl, ethyl, phenyl or benzyl and R<sub>3</sub> is alkyl, aralkyl, acyl, or aroyl groups such as methyl, ethyl, benzyl, acetyl or benzoyl by (a) condensing N-monosubstituted ethylene-diamines of the general formula I



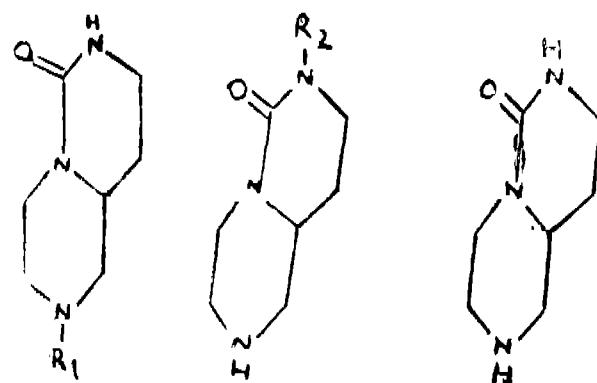
with N-monosubstituted maleamic acids of the general formula II



in which R<sub>1</sub> and R<sub>2</sub> are alkyl, aryl or aralkyl groups like methyl, ethyl, phenyl or benzyl, by heating the two reactants under reflux in solvents like dioxan, pyridine, tetrahydrofuran, glyme or diglyme forming 1-substituted-2-oxopiperazine-3-N-acetamides of the general formula III



(b) subjecting the amide of the general formula III to electrolytic reduction or to the treatment with metal hydride such as lithium aluminium hydride in the presence of solvents like ether and tetrahydrofuran to yield 1-substituted-3-[P-N-substituted aminoethyl]-piperazines of the general formula IV



Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A process for the synthesis of 3, 8-disubstituted-4-oxoperhydro (1, 2-C)-piperazinopyrimidines of the general formula V, VII, IX and XI

respectively, and finally (e) alkylating, aralkylating, acylating or proylating the compounds of the general formulae VI, VIII and X using formic acid and formaldehyde for methylation or reaction with alkylhalides, aralkylhalides, acylhalides or aroylhalides such as ethyl iodide, phenylethyl bromide, acetyl chloride or benzoyl chloride in the presence of bases like sodium ethoxide, potassium chabonate or sodium bicarbonate in the solvents such as benzene, toluene, or acetone.

CLASS 32F,+E<sub>4</sub>.

130394

## PROCESS FOR THE PREPARATION OF FURAN CARBOXYLIC ACID PYRIDYLAMIDES REVEALING PHARMACOLOGICAL ACTION.

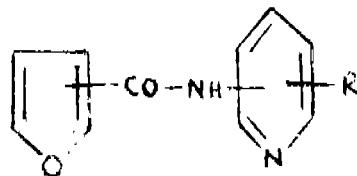
KRAKOWSKIE ZAKLADY FARMACEUTYCZNE POLFA, OF KRAKOW, MOGILSKA STR, 80, POLAND.

Application No. 130394 filed February 26, 1971.

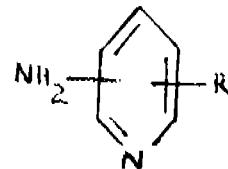
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

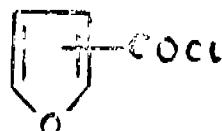
Process for the preparation of furan carboxylic acid pyridylamides of the general formula



where R denotes hydrogen or low alkyl of 1—4 carbon atoms, in which process, aminopyridine or its derivatives with the substituent R having the meaning as given above of the general formula.



is reacted with furan carboxylic acid chloride of the general formula.



in the medium of dioxane, and the hydrochloride obtained is alkalinized by means of a weak base.

CLASS 63B+I

135061

## FLY WHEEL MAGENTO AND MANUFACTURE THEREOF.

MITSUBISHI DENKI KABUSHIKI KAISHA, OF 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Application No. 135061 filed March 25, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A fly wheel magneto which comprises a yoke fitted on the inner side of the said fly wheel with its large radius part, a ferrite magnet and a pole which are adjacent to a pole arc which is provided in the small radius part of the yoke and a stator core having a generating coil and facing said pole arc and said pole with a gap.

CLASS 84C.

## FORM COKE COATED WITH GLANZ CARBON AND METHODS OF PRODUCTION.

FMC CORPORATION, AT 633 THIRD AVENUE, NEW YORK 17, NEW YORK, U.S.A.

Application No. 135235 filed April 11, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

The method of treating form coke briquettes characterized by coking the briquettes in the presence of a gas containing at least 10 volume percent of hydrocarbon vapor, to crack the hydrocarbon vapors in the presence of the coke briquettes and deposit a film of glanz carbon which fills the very fine crevices and coats the surface.

CLASS 97F &amp; 188

136265

## SUBSTRATE HEATER CUM HOLDER FOR THIN FILM DEPOSITION.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Application No. 410/72 filed June 3, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process for holding and quickly heating with small electrical input power a glass substrate up to 400°C for the deposition of thin films, which consists in holding a device with a rectangular metal frame with top sides chamfered and with inverted U-shaped channel on the bottom side a thick central rectangular metal plate with U-shaped channel on the top side in correspondence with U-shaped channel in said metal frame and inverted U-shaped channel, transverse to said channel, on the bottom side and thin rectangular metal plate together with the help of threaded screws and nuts, inserting the glass substrate into the rectangular housing formed by the inverted U-shaped channel on the bottom side of rectangular metal frame and a U-shaped channel, in correspondence with U-channel of said metal frame, on the top side of thick central rectangular metal plate and also the small sized electrical heating element with two terminals for supplying the electrical power into the rectangular housing formed by inverted U-shaped channel, transverse to said top channel in thick central plate, on the bottom side of thick central rectangular metal plate and thin rectangular metal plate whereby when the electrical power to the small sized electrical heating element is supplied via the said two terminals, the thick central rectangular metal plate gets heated up and heats up the glass substrate by conduction.

CLASS 150F

136266

## CONNECTION PIECE FOR PRODUCING A CONNECTION BETWEEN TWO PIPES OF A GAS OR LIQUID CONDUIT SYSTEM.

ERNST DUNKEL SR. AND ERNST DUNKEL JR., BOTH OF HOHLENGASSE 139A, 3138 UETENDORF, CANTON OF BERNE, SWITZERLAND.

Application No. 1417/72 filed September 14, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A connection piece for establishing a connection between two pipes of a gas or liquid conduit system, comprising a piece having bore extending therethrough and opposed end portions, one of said end portions having external teeth and external threads, the external threads serving for threadably connecting therewith a screw socket of one pipe, characterized in that the wall thickness (a) of said one end portion with the external teeth, (2) and external threads (1), measured in longitudinal section of said connection piece, being at least twice as large as the maximum wall thickness, (b) of the other end portion, said one end portion being provided with internal threads, (3) for screwing the end of another pipe, and wherein the other end portion intended to be introduced up to the base of the socket (6) is of substantially frusto-cylindrical construction for a sealing ring, (5) which can be slipped thereon.

CLASS 50-D 136267

SPRING SUSPENSION FOR MOUNTING THE MOTOR COMPRESSOR OF A REFRIGERATING MACHINE IN ITS JOINTED CASE (I).

DANFOSS A/S, NORDBORG, DENMARK.

Application No. 1096/72 filed August 7, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A spring suspension for mounting a motor compressor of a refrigerating machine in its jointed case, and comprising a helical spring which is connected to the motor compressor and is held at its upper end in the first limb of an angled supporting element, which limb extends into the interior of the case, the second limb, which runs parallel with the wall of the case, being secured to a carrier firmly connected to the wall of the case, characterized in that the second limb (23) merges with the first limb (22) at its lower end and is hinged at its upper end on the carrier (17), and in that the axis of the hinge runs substantially parallel with the joint (5) of the case (1) and is located at a distance therefrom that is less than the length of the second limb.

CLASS 27-I & 76E 136268

IMPROVEMENTS IN OR RELATING TO RETENTION DEVICES FOR SHEET MATERIAL.

HAROLD WILLIAM CRESSWELL, OF TREONA NURSERIES, STAUNTON, NEAR GLOUCESTER, ENGLAND.

Application No. 450/72 filed June 7, 1972.

Convention date June 8, 1971 (19320/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A retention device for flexible sheet material, wherein a strip member is adapted to be held in a hollow longitudinally-slotted support member, with the sheet material passing through the slot and wrapped around the strip member, the strip member being formed in at least two parts which are insertable one after another through the slot of the support member and together form wedge with extensions at the thin end of the wedge projecting through the slot for moving the parts.

CLASS 68E, & 69G 136269

ELECTRIC SWITCHES.

JOSEPH LUCAS (INDUSTRIES) LIMITED, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Application No. 445/72 filed June 7, 1972.

Convention date August 3, 1971 (36535/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An electric switch comprising a housing, first and second groups of terminals in the housing, a first contact member slidably in the housing to interconnect selected terminals of the first group, and a second contact member slidably in the housing transversely of the direction of movement of the first contact member to interconnect selected terminals in the second group.

CLASS 67C & 204. 136270

CONVEYOR-TYPE WEIGHING APPARATUS.

INSTITUT GORNOI MEKHANIKI I TEKHNICHESKOI KIBERNETIKI IMENI M. M. FEDOROVA, OF DONETSK, TEATRALNY PROSPEKT, 7, U.S.S.R.

Application No. 1737/72 filed October 25, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A conveyor-type weighing apparatus, comprising pickups responsive to the weight of a material being conveyed by the associated conveyor, said pickups being connected to a converter adapted to convert the output signals of said pickups into angular displacement of a shaft; a follower-type pickup responsive to the advance of the belt of said conveyor, and a unit

for measurement and summation of the weight of the material, having the inputs thereof connected to the outputs of said weight-responsive pickups and including a pair of discs positively connected to the shaft of said follower-type belt advance pickup, the first one of said discs having coding members disposed at the periphery thereof, one of said coding members being different from the rest of said coding members the second one of said discs having a single coding member, said unit further comprising a pair of read-out heads adapted for cooperation with said coding members of the respective ones of said two discs, said read-out head cooperating with said first disc being stationary in respect of the housing of said unit, said other read-out head cooperating with said second disc being mounted on said output shaft of said converted adapted to convert the output signals of said weight-responsive pickups into angular displacement of said shaft, said unit also comprising a flip-flop, and "AND" circuit and an electronic pulse counter, the output of said read-out head cooperating with said first disc being connected to one input of said "AND" circuit and also being connected through a filter to one input of said flip-flop, the output of said other read-out head cooperating with said second disc being connected to the other input of said flip-flop, said flip-flop having the output thereof connected to the other input of said "AND" circuit, said "AND" circuit having the output thereof connected to the input of said electronic pulse counter.

CLASS 32F,+F<sub>2u</sub>+F<sub>3u</sub> & 55D<sub>1</sub> 136271

PROCESS FOR PREPARING SUBSTITUTED DIOXANES.

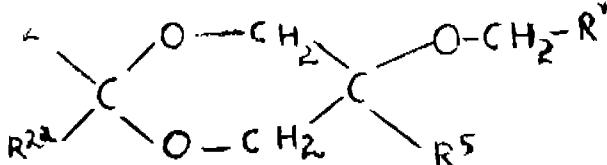
FMC CORPORATION, OF 633 THIRD AVENUE, NEW YORK 17, NEW YORK, U.S.A.

Application No. 1342/72 filed September 6, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

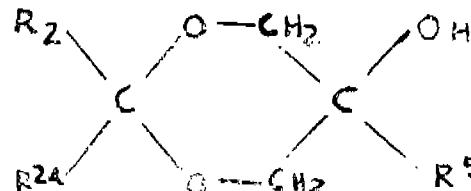
3 Claims

Process for preparing a compound of the formula



in which R<sup>2</sup> is hydrogen, alkyl, haloalkyl, cyanoalkyl, aryl, aryloxyalkyl, arylalkoxyalkyl, or alkoxyalkyl, where any alkyl radical or substituted alkyl radical contains 1 to 6 carbon atoms and any aryl radical is phenyl, furyl or thiophenyl which is unsubstituted or carries as single X-substituent defined as F, Cl, Br, lower alkyl, lower alkoxy or benzyloxy R<sup>2u</sup> is hydrogen or methyl, and R<sup>2a</sup> and R<sup>7</sup> taken together may represent two or more methylene groups and so form a spiro structure; R<sup>5</sup> is hydrogen, alkyl, chloroalkyl or bromoalkyl, such alkyl groups containing 1 to 4 carbon atoms; R<sup>7</sup> is a monovalent aromatic phenyl, furyl, thiophenyl or pyridyl radical which is unsubstituted or has one, two, or three Y-substituents, defined as F, Cl, Br, CN, CF<sub>3</sub>, lower alkyl, or lower alkoxy with the proviso that when R<sup>7</sup> is unsubstituted phenyl and R<sup>2</sup> is hydrogen and R<sup>5</sup> is hydrogen or methyl, then R<sup>2</sup> is other than unsubstituted phenyl; characterized in that—

(a) substituted 5-hydroxy-1, 3-dioxane, of the formula



wherein R<sup>2</sup>, R<sup>2u</sup> and R<sup>5</sup> are defined above, in a solvent is treated with sodium hydride to form the corresponding sodium alcoholate which is then reacted with arylmethyl chloride or bromide, R<sup>7</sup>-CH<sub>2</sub>-Cl or R<sup>7</sup>-CH<sub>2</sub>-Br wherein R<sup>7</sup> is defined above; and

(b) the product is separated from the reaction mixture.

CLASS 32F<sub>2a</sub>

136272

PROCESS FOR THE PREPARATION OF 3-NITRO-4-AMINO-TOLUENE.

FARBWERKE HOECHST AKTIENGESELLSCHAFT, VORMALS MEISTER LUCIUS & BRUNING, OF 45, BRUNNENSTRASSE, FRANKFURT MAIN, FEDERAL REPUBLIC OF GERMANY.

Application No. 1255/Cal/73 filed May 29, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims. No drawings

A process for the preparation of 3-nitro-4-amino-toluene which comprises reacting 4-acetaminotoluene with 2.2 to 2.3 moles of an acid mixture per mil of acetaminotoluene, which acid mixture consists essentially of 85 to 95% by weight of nitro acid, 5 to 15% by weight of sulfuric acid and not more than 2% of water, at a temperature of 18 to 45°C and a pressure of 300 mm of mercury to normal pressure in an inert diluent having its boiling point within said temperature and pressure range and saponifying the so-obtained 3-nitro-4-acetamino-toluene with an aqueous base.

CLASS 114F

136273

IMPROVEMENT IN ZIRCONIUM TANNING.

N L INDUSTRIES, INC. OF 111 BROADWAY, NEW YORK, NEW YORK 10006, UNITED STATES OF AMERICA.

Application No. 1676/72 filed October 19, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims. No drawings

A process for tanning an animal hide which comprises treating such hide with an aqueous tanning bath comprising silicated sodium zirconium sulfate, characterized in that the hide is treated within said bath while maintaining the pH of said bath between 1.0 and 2.5, that said bath contains sufficient silicated sodium zirconium sulfate to provide at least 2% soluble ZrO<sub>2</sub> therein, that it contains sufficient soluble sulfate to provide, in solution, at least four sulfate ions required for formation of sparingly soluble sulfates of other cationic elements present in said hide and/or bath, and that said bath is thereafter neutralized to a pH of from about 3.0 to about 6.2.

CLASS 32F.C

136274

PROCESS FOR PRODUCING N-PHOSPHONOMETHYL GLYCINE.

MONSANTO COMPANY, OF 800 NORTH LINDBERGH BOULEVARD, ST. LOUIS, MISSOURI 63166, UNITED STATES OF AMERICA.

Application No. 639/Cal/73 filed March 21, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A process for the production of N-phosphonomethyl glycine which comprises containing N-phosphonoimino-di-acetic acid with a strong acid having a pKa of less than 2.2, said contacting being at a temperature of from about 70°C to about 200°C.

CLASS 189

136275

PROCESS FOR PRODUCING ABRASIVE AGGLOMERATES HAVING DENTAL CLEANING AND POLISHING CHARACTERISTICS.

COLGATE-PALMOLIVE COMPANY, OF 300 PARK AVENUE, NEW YORK, NEW YORK-10022, UNITED STATES OF AMERICA.

Application No. 337/72 filed May 27, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

Process for producing abrasive agglomerates having dental cleaning and polishing characteristics comprising dry mixing thermoplastic particles having a mean diameter from 100 to

1000 microns with abrasive subparticles having a Moh hardness of at least 2 and a mean diameter between 0.1 and 10 microns, rotating said mixture at a speed sufficient to cause tumbling; heating said mixture to the softening point of the thermoplastic material, rotating said mixture until said subparticles are captured by said particles of thermoplastic material and cooling said mixture.

CLASS 85-R, 108B<sub>2a</sub> & 130D

136276

PROCESS AND EQUIPMENT FOR THE REDUCTION OF METAL ORES PARTICULARLY IRON ORES.

PROF. DR. ING. WERNER WENZEL, OF D-51 AACHEN INTZESTR 1, WESSEL GERMANY, (2) RHEINISCHE BRAUNKOHLENWERKE A. G., OF D-5 KOLN, KONRAD-ADENAUER-UFER 55, WEST GERMANY, (3) DEMAG AKTIENGESELLSCHAFT, OF D-41 DUISBURG, WOLFGANG-REUTER-PLATZ, WEST GERMANY.

Application No. 1006/72 filed July 28, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

Process for the reduction of metal ores, particularly for the production of sponge iron from iron ore in a metallurgical furnace through whose chamber the charge is conveyed from the feeding to the discharging end and is, during this procedure, exposed to the action of reducing gases, such as CO and H<sub>2</sub> which are essentially conducted transversely to the travelling direction of the charge and reduction material respectively, if required, under increased pressure, characterised in that the reducing gases are introduced into the charge and reduction material respectively through one of the furnace walls and arc drawn off from the said material through the opposite furnace wall, and that the flow direction of the reducing gas passing through the charge and reduction material respectively is periodically changed.

Class 69G+I

136277

TRIGGERING DEVICE FOR SWITCHGEAR.

LA TELEMFCAIQUE ELECTRIQUE, OF 33 BIS AVENUE DU MAI JOFFRE, 92-NANTERRE, FRANCE.

Application No. 12/72 filed April 21, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

Triggering device for switchgear wherein the control unit worked by a moving part is an oscillating shaft cooperating with an adjustable transmission unit connected to the contact and wherein the adjustable transmission unit is accessible from outside so that switching is done optionally in one of two or in the two opposite directions of movement of the moving part, characterized in that the transmission unit comprises at least two component parts of which the first cooperates with the control unit and of which the second communicates with the outside through an opening in the instrument, the two component parts being connected to each other by a coupling allowing the first component part to move towards the contact without taking the second with it, while the second component part the respective position of the cooperating portions of the control unit and the first component part to be altered without causing the latter to move towards the contact, a braking means being interposed between the control unit and the second component part to brake the latter when the control unit is not in the "at rest" position.

CLASS 40F &amp; 80H

136278

RAKING STRUCTURE FOR URGING SEDIMENT IN SEDIMENTATION TANKS.

ENVROTECH CORPORATION, OF 537 WEST SIXTH SOUTH, SALT LAKE CITY, UTAH, U.S.A.

Application No. 1749/72 filed October 26, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

Raking structure for urging sediment in a tank towards discharge comprising :

(a) An upper support located medially in the tank;

- (b) A bomb extending from said support in a generally radial direction at an elevation above the tank bottom, said boom being journaled for rotating about a vertical axis passing through said support;
- (c) Connecting means mounted on said boom and spaced substantially outboard from said vertical axis;
- (d) a blade-carrying rake arm extending from adjacent the center of the tank generally radially across the tank bottom at an elevation below said boom;
- (e) Lower support means adjacent the bottom medial portion of said tank and mounted for rotation about said vertical axis passing through said upper support;
- (f) Draft means interconnecting said connecting means on said boom and a point on said rake arm at a location outboard of said lower support means thereby to pull said rake arm over the tank bottom upon rotation of said boom about the vertical axis of said support, said draft means being of length greater than the difference in elevation between said boom and rake arm whereby, when under tension and pulling said rake arm, said rake arm is angularly displaced from said boom;
- (g) Coupling means for pivotally connecting the inner end of said rake arm to said lower support means comprising a single-axle hinged connection between said arm and said support with said single axle being oriented so that an imaginary extension of its longitudinal axis passes substantially through said connecting means on said boom when said draft means are under tension and pulling on said rake arm.

CLASS 108-B<sub>1</sub>

136279

## FLAP TYPE CLOSURE ON DRAW-OFF APPARATUS FOR SPONGY IRON.

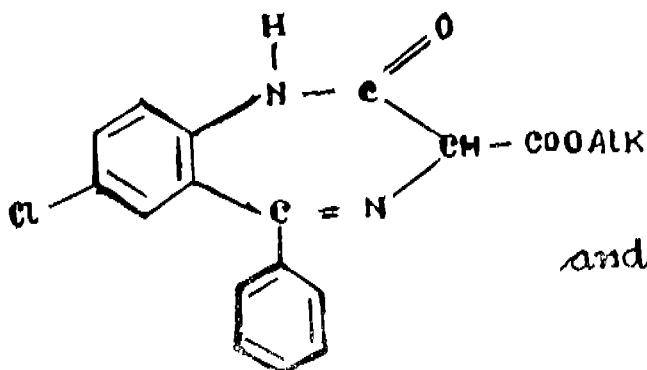
THYSSEN NIEDERRHEIN AG HUTTEN-UND WALZWERKE, OF 42 OBERHAUSEN, ESSFNFR STR. 66, FEDERAL REPUBLIC OF GERMANY.

Application No. 354/Cal/73 filed February 17, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

Flap closure on drawing-off equipment for drawings off spongy iron into transportings vessels in the course of the direct reduction of spongy iron in a shaft furnace which has discharging equipment with at least two discharge openings to



the symbol Alk in said formulae standing for a lower alkyl group, with potassium hydroxide in solution in a lower alcohol.

CLASS 32F, +F<sub>3</sub>

136282

## PROCESS FOR THE PREPARATION OF NOVEL NITRIC ACID ESTERS OF 21-ALCOHOLS BELONGING TO THE PREGNANE SERIES.

RICHTER GEDEON VEGYESZETI GYAR R. T. OF GYOMROI UT 21, BUDAPEST X, HUNGARY.

Application No. 16/72 filed April 21, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

A process for the preparation of novel 21-nitric acid esters belonging to the pregnane series and having the general formula I

which chutes, intermediate bunkers and draw-off hoppers are connected, and in which the flap closures are fitted between the chutes and the intermediate bunkers and/or between the intermediate bunkers and the draw-off hoppers, characterized by a substantially horizontal ring-shaped seat (5) for the flap, an arm (7) which can pivot about a horizontal spindle (6) and a ball-jointed flap (9) mounted on the arm (7) so as to swivel on a peg (8) at right angles to the pivot spindle (6) the flap (9) and the seat (5) having convex surfaces of rotation as the sealing surfaces (10, 11).

CLASS 185-C

136280

## IMPROVED TFA PROCESSING MACHINE.

TEA RESEARCH ASSOCIATION, OF ROYAL EXCHANGE, 6, NETAJI SUBHASH ROAD, CALCUTTA-1, WEST BENGAL, INDIA.

Application No. 826/Cal/73 filed April 7, 1973.

Addition to No. 116890.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

A tea processing machine according to Indian Patent No. 116890, wherein the sleeve is fixed at the open end of the cylinder, that is, it is not adjustably fitted, with the conical or the frusto-conical attachment being enclosed therein, and in order to adjust the intensity of processing tea leaves with such arrangement pressuriser plates are additionally fitted to the conical or the frusto-conical attachment at the discharge end of the machine.

CLASS 32F, & 55E<sub>2</sub>-+E<sub>1</sub>

136281

## PREPARATION OF A BENZODIAZEPINE.

CLIN-MIDY FORMERLY KNOWN AS ESTABLISSEMENTS CLIN-BYLA, OF 20 RUE DES FOSSES SAINT-JACQUES, PARIS, FRANCE.

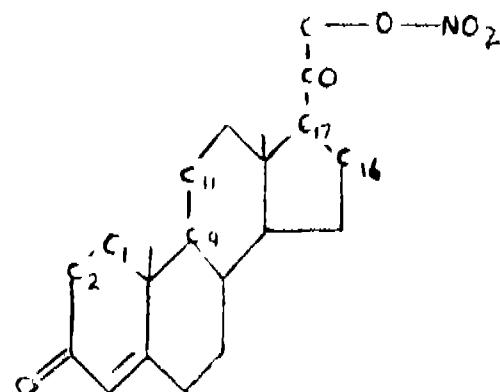
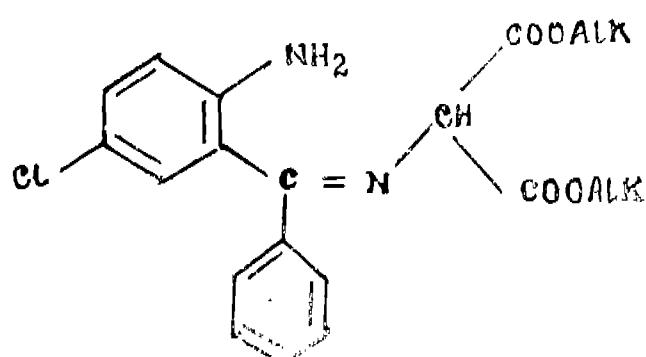
Application No. 1189/Cal/73, filed May 22, 1973.

Division of application No. 100051 filed June 14, 1965.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

A process for producing a pharmaceutically valuable benzodiazepine, which comprises treating a compound having one of the formulae



wherein C<sub>1</sub>-C<sub>2</sub> represents a single or double bond.

$C_9-C_{11}$  represents a group of formula shown in any one of Figs. 1 to 4.

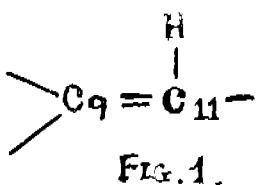


FIG. 1.

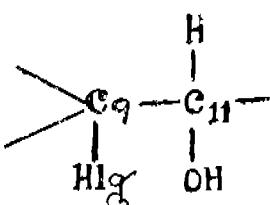


Fig. 2.

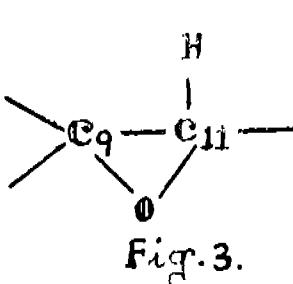


Fig. 3.

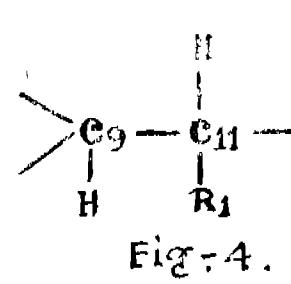


Fig. 4.

$C_{16}-C_{17}$  represent a group of formula shown in any one of Figs. 5 to 7.

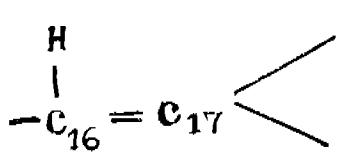


Fig. 5.

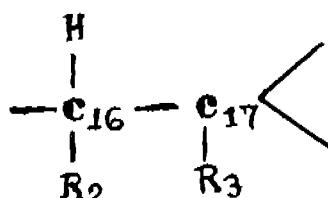


Fig. 6.

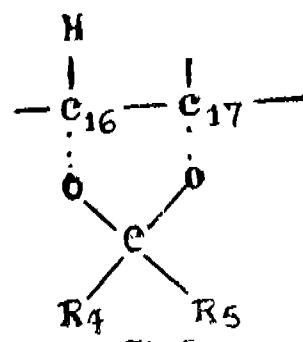


Fig. 7.

Hlg represents a halogen atom.

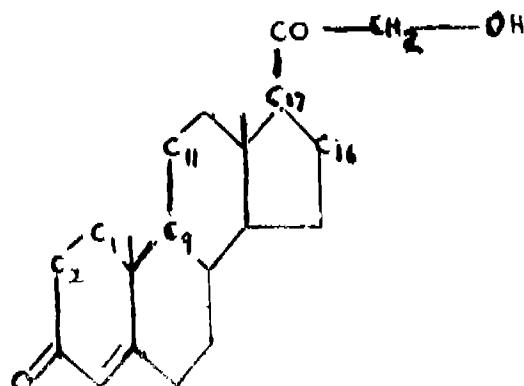
136282

R<sub>1</sub> represents hydrogen, an  $\alpha$ - or  $\beta$ -hydroxy group optionally converted into their ester derivatives,

R<sub>2</sub> represents hydrogen atom or an  $\alpha$ - or  $\beta$ -hydroxy group, optionally converted into their ester derivatives,

R<sub>3</sub> represents an  $\alpha$ -hydroxy group, optionally converted into its ester derivatives, and

R<sub>4</sub> and R<sub>5</sub> are identical or different and each represent hydrogen atom, a C<sub>1</sub>-4 alkyl group or a phenyl or aralkyl group which latter groups may be optionally substituted on the aromatic ring, characterized in that the 21-alcohols belonging to the pregnane-series and having the general formula II



wherein C<sub>1</sub>-C<sub>3</sub>, C<sub>5</sub>-C<sub>11</sub>, C<sub>10</sub>-C<sub>17</sub>, Hlg.

R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub> and R<sub>5</sub>

have the same meanings as defined above, are converted in a manner such as herein described into their nitric acid esters.

CLASS 80-H

136283

METHODS AND APPARATUS FOR FILTERING FLUIDS BY GRAVITATION.

SPARKLER MANUFACTURING COMPANY, OF 101 CARTWRIGHT ROAD, CONROE, TEXAS, UNITED STATES OF AMERICA.

Application No. 834/72 filed July 11, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

Apparatus for filtering fluids by gravity filtration method, comprising;

a continuous filter belt forming a filtering media suitable for filtering said fluids;

a cylindrical vessel defining a container for said fluids;

means for positioning said filter belt in intimate contact with said vessel, so that fluid may be filtered through said belt resulting in the formation on said belt of a filter cake;

a cylindrical drum on the downstream side of said vessel, said drum being adapted for receipt of said filter belt in intimate contact therewith;

means for heating said drum so that said filter belt may be dried upon contact with said drum; and,

means downstream of said drum for removing filter cake from said filter belt, so that said belt is cleaned before it returns to said filter vessel for further filtration operations.

CLASS 157-D.

136284

## RAILROAD FROG ASSEMBLY.

SERGIO RENE DAMY, OF APARTADO POSTAL "S"-56, GUADALAJARA, JALISCO, MEXICO.

Application No. 1485/72, filed September 1972.

Convention date August 15, 1972 (37991/72) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

A bolted, rigid railroad frog assembly including : wing rails having separate toe and heel portions, long point and short point rails, a cast manganese insert positioned between said toe and heel portions of said wing rails, said cast insert including a point filler, a main filler and wing rail extensions, said long point and short point rails abutting said cast manganese insert and connected to said heel portions of said wing rails.

CLASS 127-I

136285

IMPROVEMENTS IN OR RELATING TO A DRUM, PULLEY OR SECTOR FOR IMPARTING MOVEMENT TO AN OBJECT.

JAI KUMAR GARG, 128, MAHESH PARK, MODI-NAGAR, U.P., INDIA.

Application No. 2227/72 filed December 27, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims

A drum, pulley or sector ADB for regulating the force of any article to which it is attached characterized in that it consists of an eccentric drum ADB or pulley having a dwell, the said drum or pulley having a groove along its circumference for the easy passage of a thread T or chain one end of which is fixed to the drum surface while the other end is fixed to a helocal spring S, the arrangement being such that as the said drum or pulley is rotated anticlockwise, the thread or chain winds around the circumference of the said drum No. B or pulley is rotated anticlockwise, the thread T or chain winds around the circumference of the said drum No. B or pull surface to allow the said spring S to store energy to operate the article to which the said pulley or drum is attached at a constant speed.

CLASS 187C.

136286

## AUTOMATIC TELECOMMUNICATION EXCHANGE.

INTERNATIONAL STANDARD ELECTRIC CORPORATION, OF 320 PARK AVENUE, NEW YORK 22, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Application No. 1474/72 filed September 21, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

An automatic telecommunication exchange, in which various categories of calls, such as local calls, external calls and transit calls, can be established, in which the exchange switching network is in sections each serving a different block of subscribers lines, trunks incoming to and/or outgoing from the exchange, or lines and trunks, in which the network includes sections each of which serves a block of lines or lines and trunks and at least one further section which only serves trunks in which links via which calls are established include links used for calls between lines or trunks connected to the same one of said sections and also links used for calls between lines or trunks connected to different ones of said sections, in which registers are provided one of which is seized for each call to be established, each said register being accessible via at least one of said links, in which when a call is to be established a connection is set up to one of said registers via a link, in which said register receives and stores information relating to the call to be established, whereafter that information is transferred to a marker, and in which said marker selects and establishes a route for the call.

CLASS 126D &amp; 146 C

136287

## IMPROVEMENTS IN THE MEASUREMENT OF THE AREA OF FLAT FLEXIBLE ARTICLES.

GERARD BLUM, ENGINEER, OF 12, RUE PONT PROVILLER, LA TRONCHE, ISERE, FRANCE.

Application No. 1281/72 filed August 29, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

An apparatus for photo-electrically measuring the area of flat flexible articles, such as leathers or skins, comprising a rotatable hollow transparent cylinder, an endless transparent funicular circulating system closely surrounding a portion of the periphery of the said cylinder while leaving free another portion of this periphery, an elongated light source and a row of light sensitive elements respectively disposed on one and the other side of the wall of the said cylinder in the longitudinal zone thereof surrounded by the said system and means to drive in unison the said system and the said cylinder in such manner that the said article disposed on the free portion of the periphery of the cylinder may be caught between the said periphery and the said system so as to pass between the light source and the row of light sensitive elements at the common linear velocity of the periphery of the cylinder and of the funicular system.

CLASS 136B &amp; 151C

136288

## METHOD &amp; DEVICE FOR MANUFACTURING FIBER REINFORCED SANDWICH TUBE.

INDUSTRIES ON DERNEMING WAVIN N. V., OF 251 HANDELLAAN, ZWOLLE, HOLLAND.

Application No. 698/72 filed June 27, 1972.  
3—307GI/74

Convention date April 26, 1972 (19288/72) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims

A method for manufacturing a flexible tube comprising at least an inner and an outer fibre reinforced layer of a thermosetting resin while between the two layers at least one intermediate layer, consisting of an inorganic filler with a thermosetting resin, is provided, characterised by that over the inner fibre reinforced layer of thermosetting resin the intermediate layer of coated filler particles are obtained by spouting a stream of thermosetting resin, atomized under pressure, into a mass of loosely held particles of inorganic filler like sand, foamed clay or the like materials, discharged from a container, whereupon the outer layer of fibre reinforced thermosetting resin is deposited by known method of winding process on the outer side of the intermediate layer consisting of particles which are still mutually connectable through the resin, whereafter the resinous coating on the particles and the resin in the said layers is further cured.

CLASS 172-C<sub>8</sub>

136289

## A SHAFT FOR CONVEYING FIBRE FLOCK PNEUMATICALLY.

TRUTZSCHLER & CO., OF 407 RHEYDT-ODENKIRCHEN, POSTFACH 165, FEDERAL REPUBLIC OF GERMANY.

Application No. 1479/72 filed September 21, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims

A shaft for conveying fibre flock pneumatically said shaft having apertures in its wall to enable the delivery air to pass out, characterized in that the shaft has above its lower end a horizontal opening in one wall of the shaft which extends over at least part of the width of the wall of the shaft and in which opening a rotatably mounted roller is disposed which roller comprises a plurality of spaced annular surface discs lying in substantially vertical planes, the intervals between these discs being smaller than the size of the flock which is to be conveyed.

CLASS 32F<sub>1</sub>+F<sub>2</sub>

136290

## PROCESS FOR THE PREPARATION OF THIOCARBAMIC ACID DERIVATIVES.

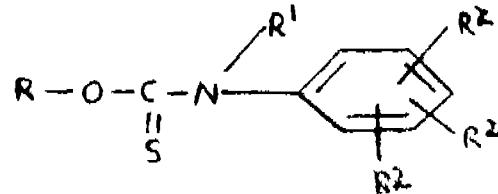
CARLO ERBA S.P.A., OF VIA CARLO IMBONATI 24, 20159 MILAN, ITALY.

Application No. 572/Cal/73 filed March 14, 1973.

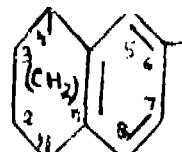
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims

Process for the preparation of a compound of general formula.

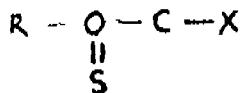


where R is a 5, 6, 7, 8-tetrahydro-2-naphthyl group or a group of general formula shown in Fig.



wherein n is 1, 2 or 3; R<sup>4</sup> is a hydrogen atom or a C<sub>n</sub>—alkyl group; and each of the groups R<sup>2</sup> which may be the same or different, is a hydrogen or halogen atom, a nitro-

cyano, tribromoethyl, phenyl, C<sub>1</sub>-6 alkyl or C<sub>1</sub>-6 alkoxy group or a group of formula SR<sup>3</sup>, COR<sup>4</sup> or -NHCOR<sup>5</sup> where R<sup>3</sup> is a C<sub>1</sub>-6 alkyl group; said process comprising reacting a compound of general formula:

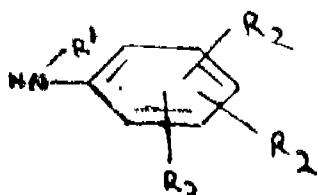


wherein R is as defined above, and X is a halogen atom, a group of formula -S-R<sup>4</sup> wherein R<sup>4</sup> is an alkyl or substituted or unsubstituted phenyl group, or a group of formula -S-C(=O)R wherein R is as defined above and Y is a oxygen or sulphur atom.

"

Y

with an amine of general formula.



wherein R<sup>1</sup> and R<sup>2</sup> are as defined above.

#### OPPOSITION PROCEEDINGS

Application for patent No. 134091 made by S. G. Kulkarni, in respect of which an opposition was entered by Atul Amrital Shah, as notified in Part III, Section 3 of the Gazette of India dated the 10th November 1973, has been treated as withdrawn.

#### PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undenoted Specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at Two Rupees per copy :—

(1)

105383 105406 105439 105501 105518 105528 105758 105803  
105877 105954 106304 106424 106683 106725 106728 106740  
106746 106748 106760 106763 106783 106801 106811 106825  
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(2)

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112820 113264 113377 113516 113604 113774 114779.

#### PATENT SEALED

126691 126970 127150 127847 127850 128385 128511 129305  
129527 129690 131393 131687 131688 131689 131717 132155  
132226 132233 132428 132548 132803 132816 133117 133161  
133176 133519 133543 133827 134220 134416 134712 134854  
134880 135324 135503 135579 135581.

#### AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that Ciba-Geigy A.G., a body corporate organised according to the laws of Switzerland, of 4002 Basle (R), Switzerland, have made an application under Section 57 of the Patents Act, 1970 for amendment of description and claims in the specification of their Patent No. 113257 for "Dispenser with separate propellant for products in fluent phase". The amendments are by way of correction and explanation in order that the invention shall be described and ascertained more correctly and clearly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

(2)

Notice is hereby given that Universal Oil Products Company, a Corporation duly organised under the laws of the State of Delaware, of No. 30 Algonquin Road, Des Plaines, State of Illinois, United States of America, have made an application under Section 57 of the Patents Act, 1970 for amendment of the claims in the specification of their application for Patent No. 125841 for "Hydrocarbon conversion process and catalyst therefor". The amendments are by way of correction and explanation in order that the invention shall be ascertained more correctly and clearly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

(3)

Notice is hereby given that Imperial Chemical Industries Limited, manufacturers, of Imperial Chemical House, Millbank, London, S.W. 1, England, a British Company have made an application under Section 57 of the Patents Act, 1970 for amendment of application and specification of their application for Patent No. 126945 for "Complex phosphates of aluminium and their preparation". The amendments are by way of deletion of claims 22 to 38 from the specification and revision of the title of invention in the application and specification. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

(4)

Notice is hereby given that Rohm And Haas Company, a corporation organised under the laws of the State of Delaware, U.S.A., of Independence Mall West, Philadelphia, Pennsylvania 19105, U.S.A., have made an application under Section 57 of the Patents Act, 1970 for amendment of application and specification of their application for Patent No. 127725 for "Cross-linked resins". The amendments are by way of deletion of claim 10 from the specification and revision of the title of invention in the application and specification.

The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If notice of opposition, it shall be left within one month from the date of filing the said notice.

## (5)

Notice is hereby given that Sandoz Limited, of Lichtstrasse 35, Basle, Switzerland, a Swiss Body Corporate, have made an application under Section 57 of the Patents Act, 1970, for amendment of application and specification of their application for Patent No. 130045 for "Sparingly soluble azo compounds process for their preparation and plastics, synthetic resins and fibres, mass pigmented therewith". The amendments are by way of replacing the claims on file with fresh set of claims and amending the title in the application and specification. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

## (6)

Notice is hereby given that Badische Anilin- & Soda-Fabrik Aktiengesellschaft, a joint stock company, organised and existing under the laws of the Federal Republic of Germany, have made an application of application and specification of their application for Patent No. 130377 for "Substituted 1-Phenyl-4-acetoacetamino-5-halogen - pyridazine-(6) compounds, process for their preparation and herbicidal compositions containing the same". The amendments are by way of revision of the title of invention in the application and specification and revision of the claims on file. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

## (7)

The amendments proposed by Engelhard Minerals & Chemicals Corporation in respect of patent application No. 129044 as advertised in Part III, Section 2 of the Gazette of India dated the 22nd June 1974 have been allowed.

## (8)

The amendments proposed by Bayer Aktiengesellschaft in respect of patent application No. 129385 as advertised in Part III, Section 2 of the Gazette of India dated 22nd June 1974 have been allowed.

## (9)

The amendments proposed by Stauffer Chemical Company in respect of Patent Application No. 129528 as advertised in Part III, Section 2 of the Gazette of India dated the 22nd June 1974 have been allowed.

## REGISTRATION OF ASSIGNMENTS, LICENCES, ETC

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the

following cases. The number of each case is followed by the names of the parties claiming interests:—

91104 — Glasrock Products, Inc.,

## PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed or have been endorsed with the words "licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
122228 (11-7-69)	Process for eliminating CO <sub>2</sub> and/or H <sub>2</sub> S from gaseous mixtures containing them.
123335 (29-9-69)	Herbicide compositions containing amides of aryloxyalkane-carboxylic acids.
123453 (6-10-69)	Process for the preparation of catalyst for the fluorination of hydrocarbons.
124811 (13-1-70)	Removal of colouring and odiferous matter from Undi oil (i.e. Calophyllum Inophyllum Khakan oil (i.e. Salvadorae Oleoides), Pisa oil (i.e. Actenodaphne Hookeri) and Mal-kanguni oil (i.e. Celastrus Paniculatus) to make them suitable for use in commercial soaps.

## RENEWAL FEES PAID.

69236	69290	69310	69372	69448	69495	69611	69775	70713
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#### CESSATION OF PATENTS

116779 117211 117272 117440 117498 117507 117541 117669  
 117732 117767 117804 117900 118138 118163 118298 118381  
 118382 118422 118440 118444 118452 118465 118489 118526  
 118564 118582 118612 118614 118634 118645 118650 118665  
 118674 118725 118728 118729 118790 118800 118806 118816  
 118829 118896 118966 119069 119094 119095 119140 119151  
 119152 119159 119177 119195 119200 119221 119236 119243  
 119252 132517.

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 120373 dated the 17th March, 1969 made by Albany International Corporation on the 10th January, 1974 and notified in the Gazette of India, Part III, Section 2 dated the 16th February, 1974 has been allowed and the said patent restored.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 141813, Magmo Industries of A, 2/6, Industrial Estate, Vapi, District Bulsar, State of Gujarat, India, a Partnership firm registered under Indian Partnership Act. "Metallic Repeat-Marker-rail". April 8, 1974.

Class 1. No. 141871, J. R. Udyog, 12 A, Connaught Place, New Delhi-110001, sole proprietorship concern, an Indian by Nationality, "Device for Height Increasing", May 4, 1974.

Class 1. No. 141872, J. R. Udyog, 12 A, Connaught Place, New Delhi-110001, sole proprietorship concern, an Indian by Nationality, "Device for Height Increasing", May 4, 1974.

Class 1. No. 141873, J. R. Udyog, 12 A, Connaught Place, New Delhi-110001, sole proprietorship concern, an Indian by Nationality, "Device for Height Increasing", May 4, 1974.

Class 1. No. 141877 & 141878, Swadeshi Trunk Factory and Shops, An Indian Registered Partnership Firm, at Dadarkar Wadi, Bhavani Shankar Road, Dadar, Bombay-400028, Maharashtra, India, "One-piece ventilator-cum-channel guide for window pane", May 9, 1974.

Class 1. No. 141879, Swadeshi Trunk Factory and Shops, An Indian Registered Partnership Firm, at Dadarkar Wadi, Bhavani Shankar Road, Dadar, Bombay-400028, Maharashtra, India, "Channel Guide for Window Pane", May 9, 1974.

Class 1. No. 141880, Swadeshi Trunk Factory and Shops, An Indian Registered Partnership Firm, at Dadarkar Wadi, Bhavani Shankar Road, Dadar, Bombay-400028, Maharashtra, India, "Sliding Channel for Window Pane", May 9, 1974.

Class 1. No. 141881, Swadeshi Trunk Factory and Shops, An Indian Registered Partnership Firm, at Dadarkar Wadi, Bhavani Shankar Road, Dadar, Bombay-400028, Maharashtra, India, "Sliding Channel", May 9, 1974.

Class 3. No. 141715, Test Equipments (Electrical) Private Limited (a private limited company incorporated under the Indian Companies Act) trading under the name and style of AUTOMATION (an Indian Proprietary Firm) 3rd Floor, Swastik House, 525, Tulsipipe Road, Dadar, Bombay-400018, Maharashtra State, India, "Extension Cord Box" March 5, 1974.

Class 3. No. 141717, Rajpal Plastic Industries (an Indian Partnership Firm) 303, Neelkanth, 98, Marine Drive, Bombay-2, Maharashtra State, India, "Brush" March 5, 1974.

Class 3. Colgate-Palmolive Company, a corporation organized and existing under the laws of the State of Delaware United States of America, of 300, Park Avenue, New York, New York-10022, United States of America, "Container", March 7, 1974.

Class 3. No. 141762, Dunlop Limited, a British Company, of Dunlop House, Ryder Street, St. James's London S.W. 1., England, "Tyre for a Vehicle Wheel" October 3, 1973, (U.K.).

Class 3. No. 141805, Shako Plastick, (an Indian Proprietary Firm) Gujarat Industrial Compound Tilak Nagar, Off Aarey Road, Goregaon (E), Bombay-400063, Maharashtra, "Comb", April 4, 1974.

Class 3. No. 141806, Arora Plastics Private Limited (a private Limited company incorporated under the Indian Companies Act), 20, 1st floor, Prabhadevi Industrial Estate, Veer Savarkar Marg, Bombay-400025, Maharashtra State, India, "Soap Dish", April 4, 1974.

Class 3. No. 141817, Adgifts India (an Indian Partnership Firm), 2/23, Kamal Mansion, Arthur Bunder Road, Colaba, Bombay-5, (Maharashtra), "Deak Calender", April 11, 1974.

- Class 3. No. 141818. Adgifts India (an Indian Partnership Firm), 3/23, Kamal Mansion, Arthur Bundel Road, Colaba, Bombay-5, (Maharashtra), "Bottle Opener-Cum-Closure". April 11, 1974.
- Class 5. 141863. Miss Neela Shevanti Sheth, of Indian Nationality, B-19, Gujarat Society, Nehru Road, East Vile Parle, Bombay-57, Maharashtra State, "Reflector for Automobiles" April 30, 1974.
- Class 3. 141874. Suru Enterprise (An Indian Proprietary Firm), C-3, Sona Udyog, P. P. Road, Andheri (East), Bombay-400069, Maharashtra State, India, "Container" May 7, 1974.
- Class 4. No. 141755. Manohar Industries of Lohar Galli, Nanded, S.C. Rly. State of Maharashtra, India, an Indian Partnership Firm 'Channel' March 12, 1974.
- Class 9. 141938. M/s. Sovita Knit Works, 20/4, Mathura Road, Faridabad (Haryana) a registered partnership firm of Indian Nationality, "Textile goods", June 12, 1974.
- Class 10. 141735. Bata India Limited, a limited company incorporated under the Indian Companies Act, at 30 Shakespeare Sarani, Calcutta, West Bengal, "Footwear", March 11, 1974.
- Class 10. 141736. Bata India Limited, a Limited Company, incorporated under the Indian Companies Act, at 30 Shakespeare Sarani, Calcutta, West Bengal, "Footwear", March 11, 1974.
- Class 10. No. 141737. Bata India Limited, a limited company, incorporated under the Indian Companies Act, at 30 Shakespeare Sarani, Calcutta, West Bengal, "Footwear", March 11, 1974.
- Class 10. No. 141738. Bata India Limited, a limited company, incorporated under the Indian Companies Act, at 30 Shakespeare Sarani, Calcutta, West Bengal, "Footwear", March 11, 1974.
- Class 12. No. 141794. The National Radio & Electronics Co. Ltd., an Indian Company, of Unity House, 8, Mumukshu Parmanand Marg, Bombay-400004, Maharashtra, India, and Amber Television Private Limited, an Indian Company of Bombay, Maharashtra, India, "Television Set", March 29, 1974.
- Class 13. No. 142206. The Ahmedabad Kaiser-I-Hindi Mills Co. Ltd., an Indian Company, incorporated under the Indian Companies Act, at outside Raipur Gate, Ahmedabad-22, (Gujarat State) India, "Textile piecegoods", September 3, 1974.

S. VEDARAMAN,  
Controller-General of Patents, Designs  
and Trade Marks

